Logic

Space

Coding

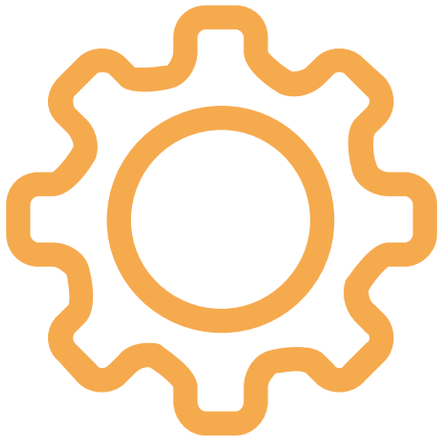
Focus

Classroom Discipline

01 Please sit down and keep quiet in class.

02 Please raise your hand if you have any questions.

03 Please observe carefully when the pictures are played.



Crocodile 02

Course Goals

Thinkidea

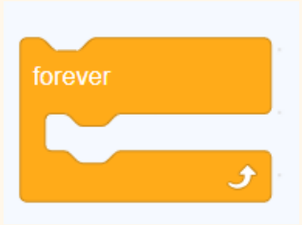
1. Learning goals
2. Project Discussion
3. Logic Programming
4. Have a try
5. Consolidate and extend

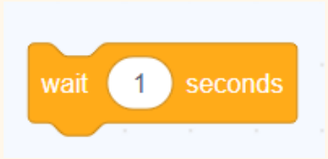
1

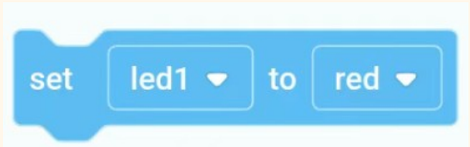
1. Get to know the fierce crocodile, learn about its habits, and make the crocodile open its mouth to bite — faster and faster!
2. Consolidate the modules like “**Move**” 、 “**sensor**” .
3. Learn new modules “**Variable**” .
4. Comprehensively apply the learned modules to complete programming projects and expand.

1

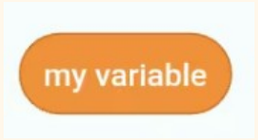
Consolidate modules:



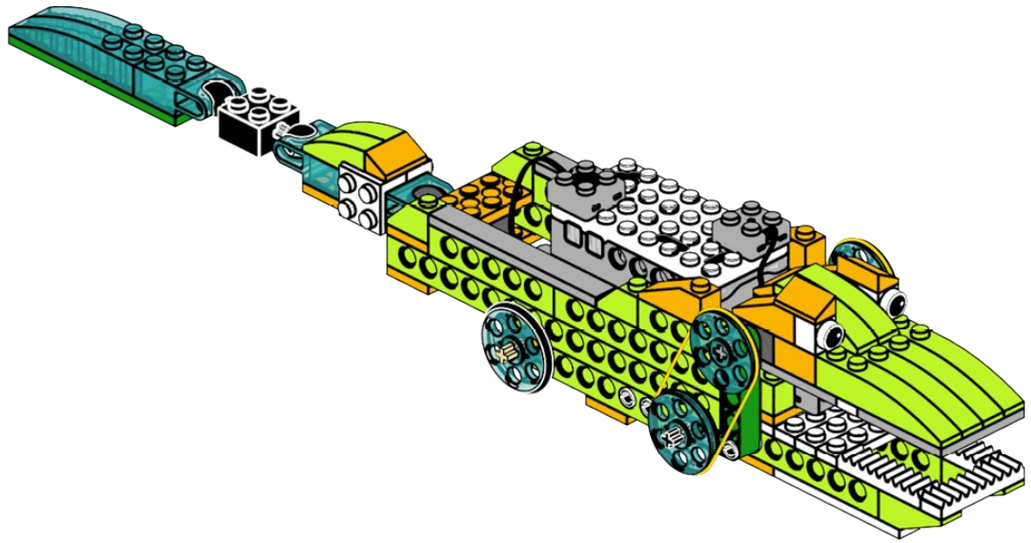




New modules:



2



Project Discussion

1.The crocodile opens its mouth.

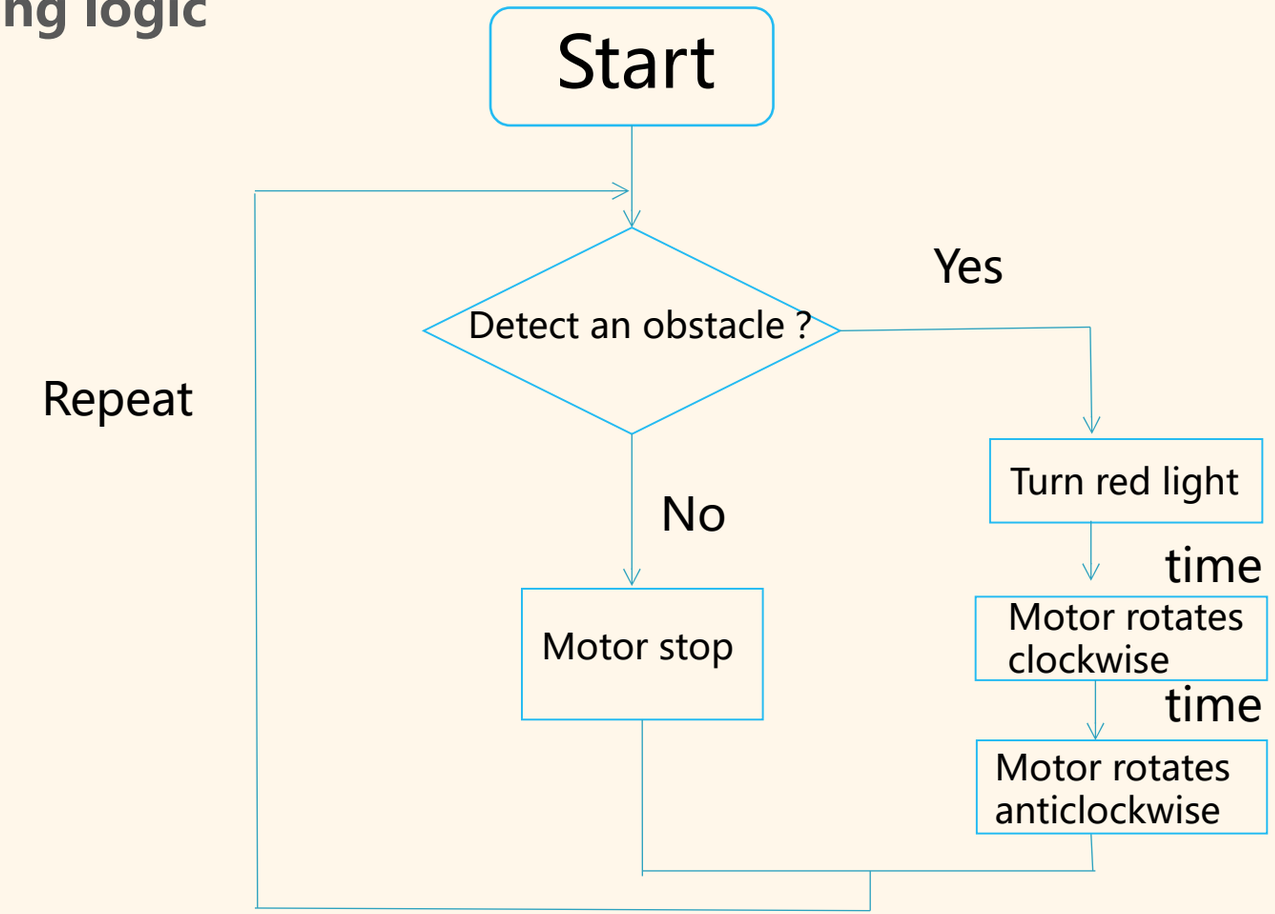
2.When a hand comes close, the light turns red.

3.Then it bites down.

4.Then open mounth again.

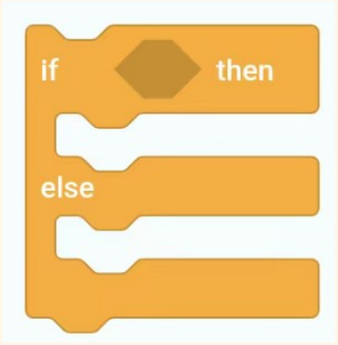
5.The speed gets faster and faster.

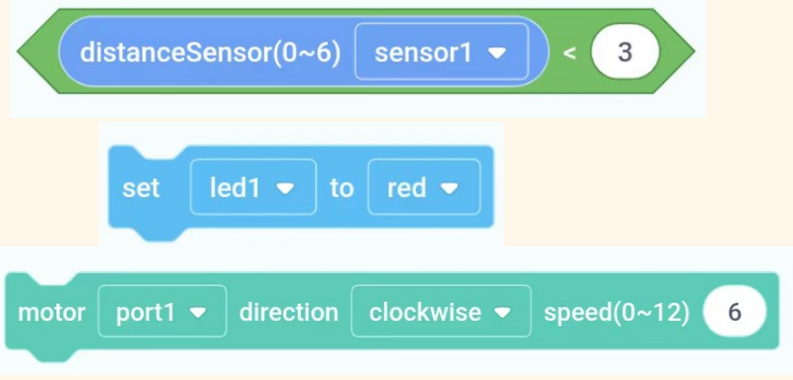
1.Programming logic

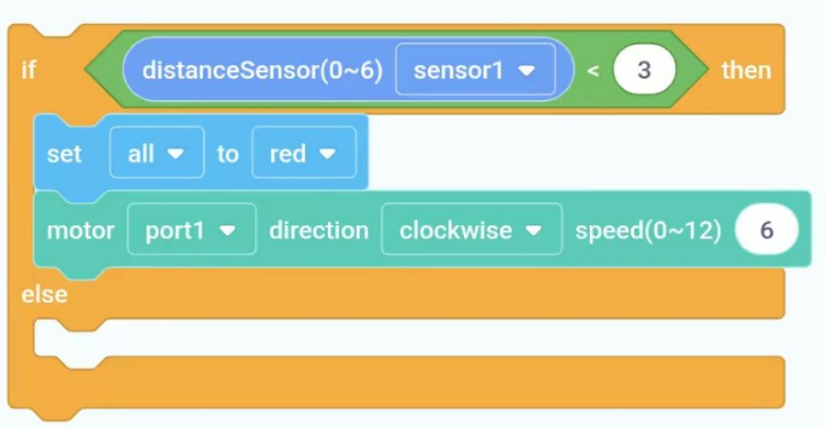


1.Programming logic

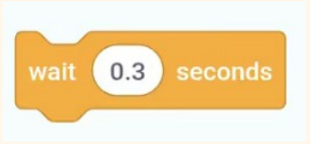
1.The crocodile opens its mouth when it sees the food.

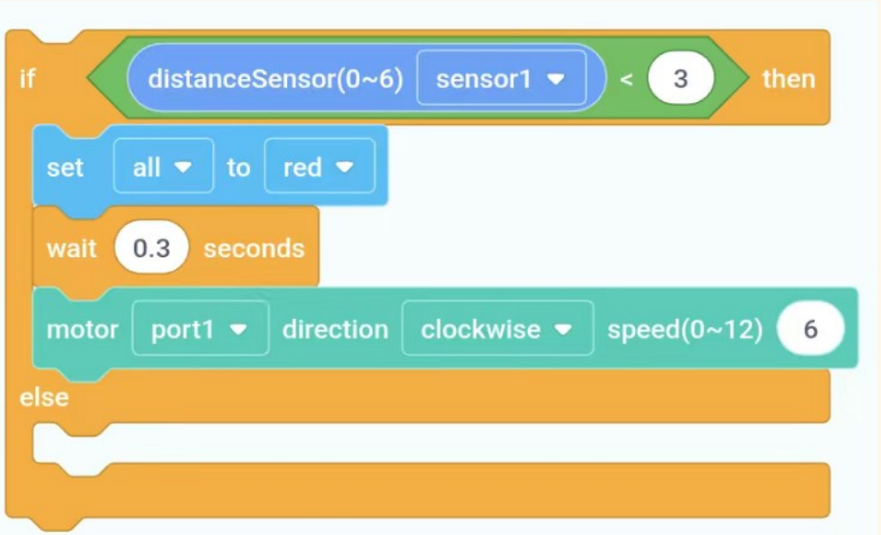






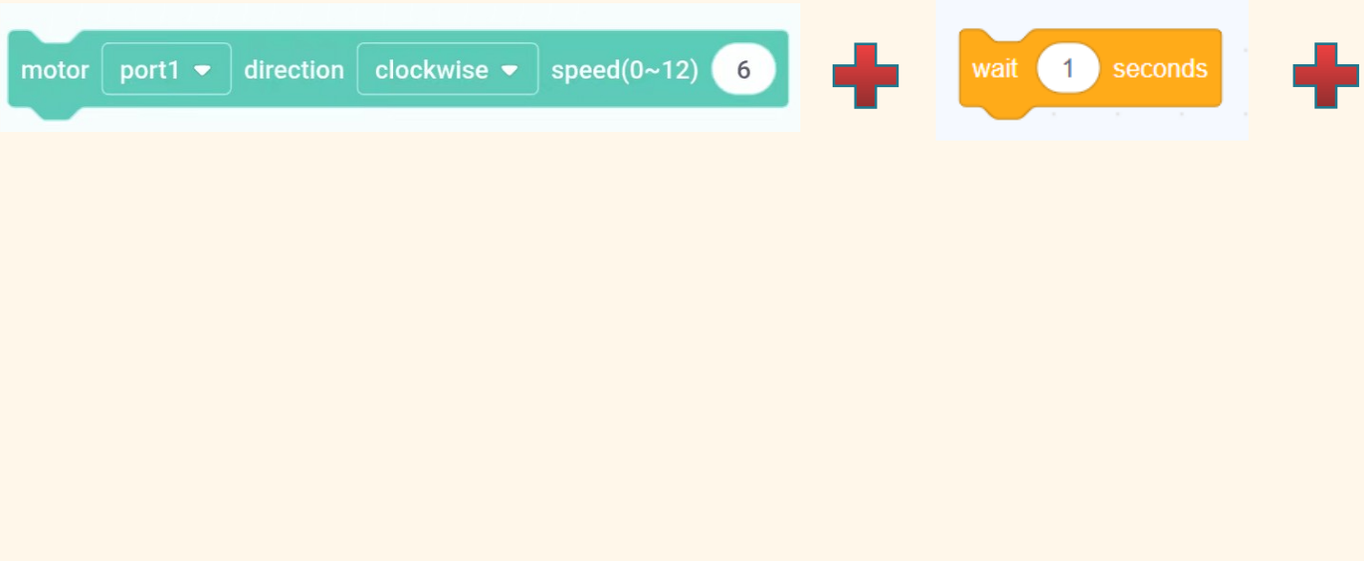
2.Thinking: Why do we add such a short waiting time?





1.Programming logic

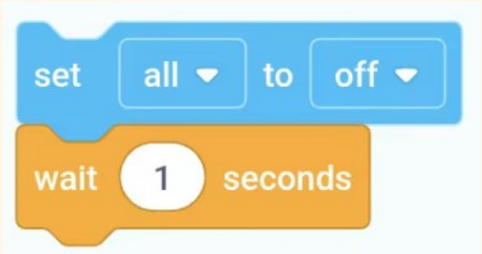
1.After biting, open the mouth.



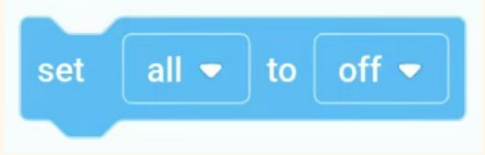
2

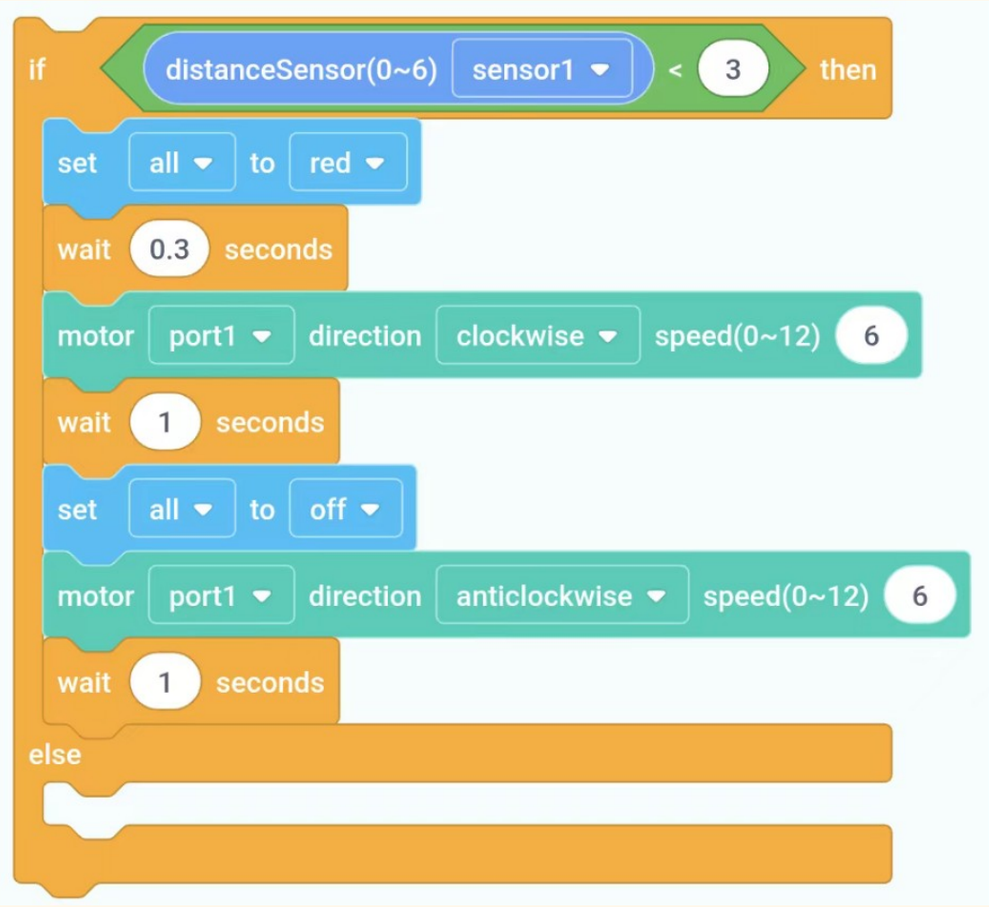
1.Programming logic

1.Thinking: Do we need to add a delay to turn off the red light? Why?



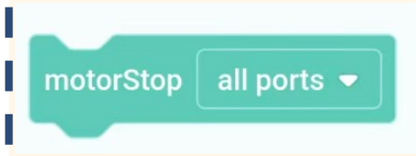
or

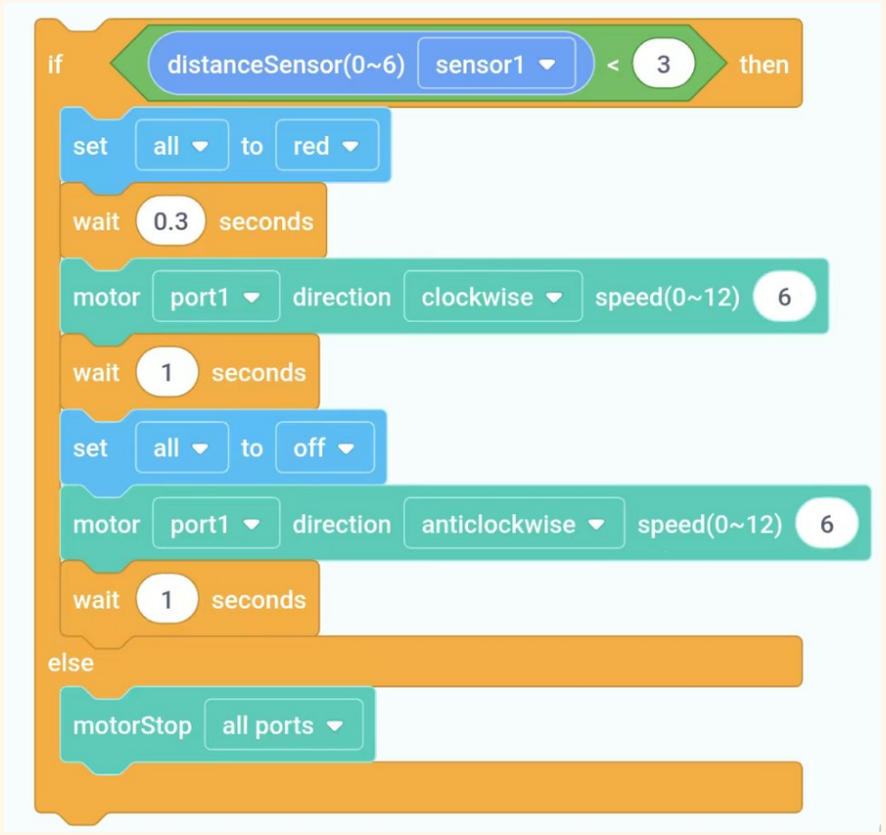


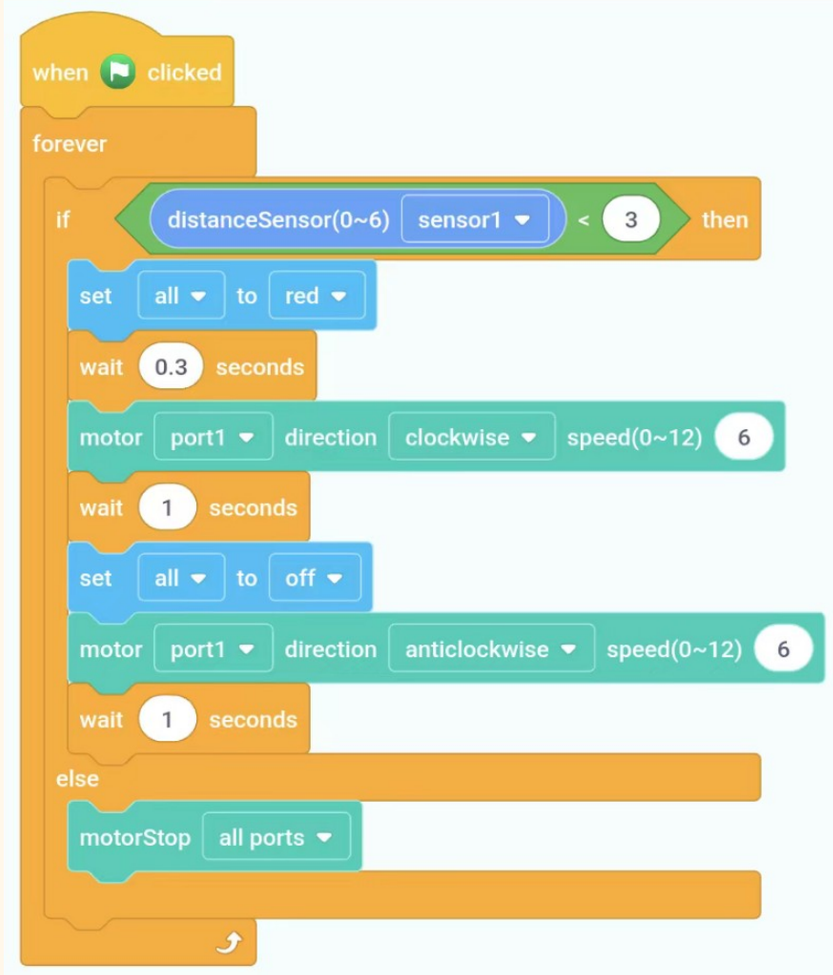


1.Programming logic

1.Programming for the situation when the crocodile does not detect any obstacles.

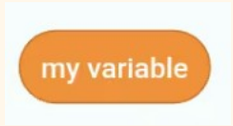




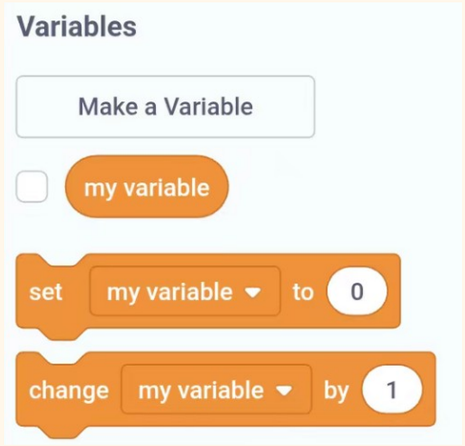


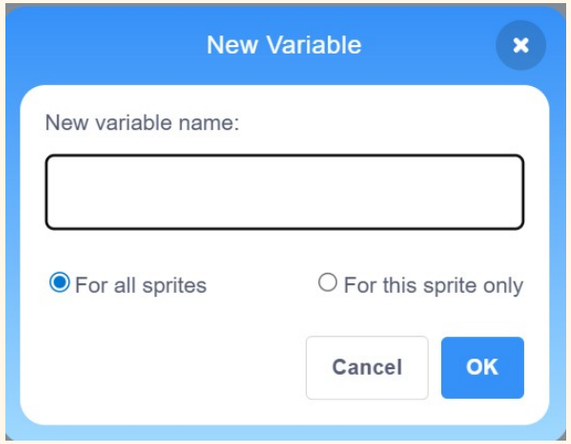
1.Programming logic

1.How can we add more challenge to the game?

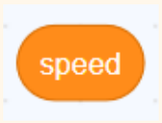


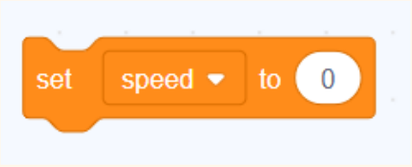
Learn about “Variable”

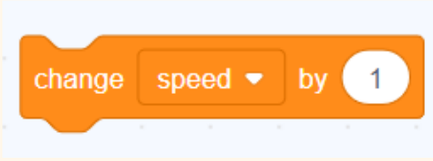




2.“Variable” module

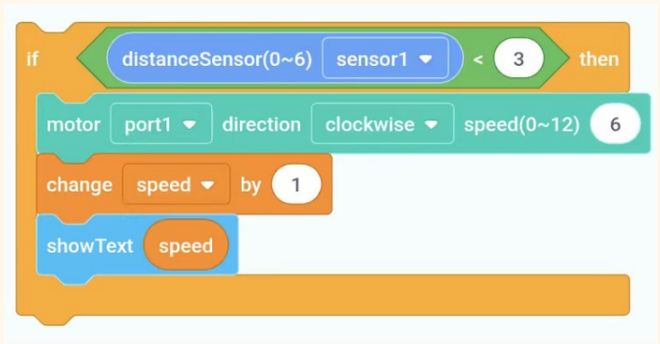


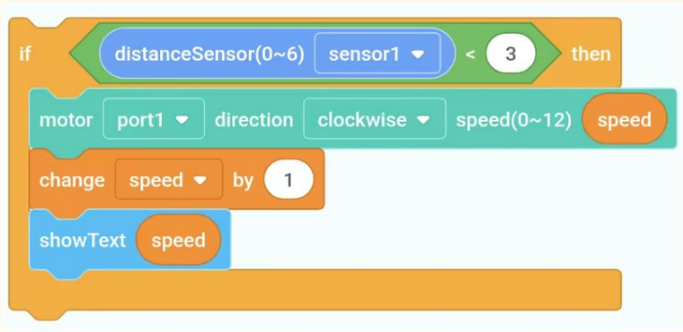


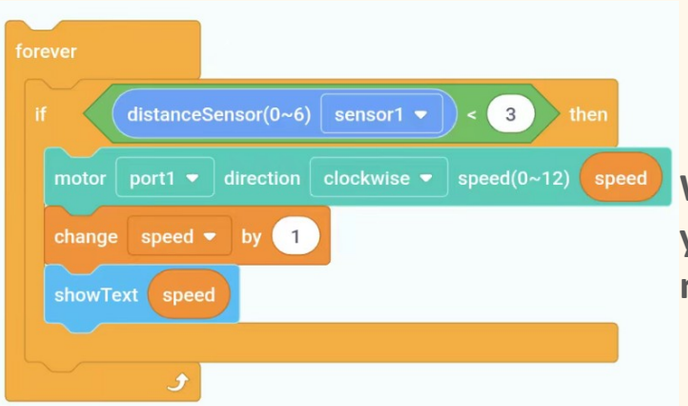


1.Programming logic

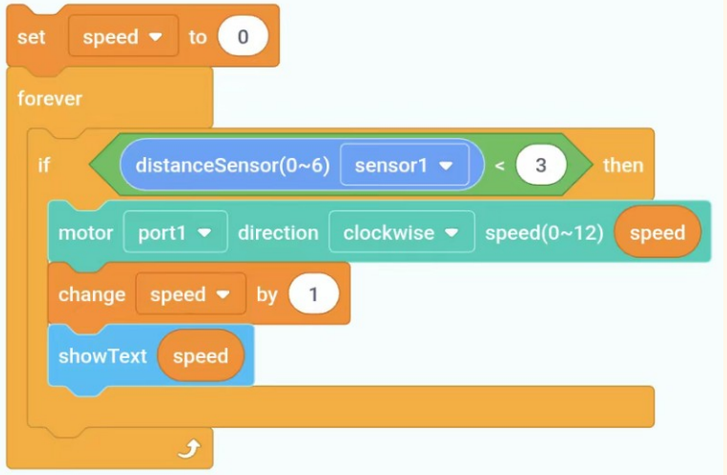
1.Have a try.



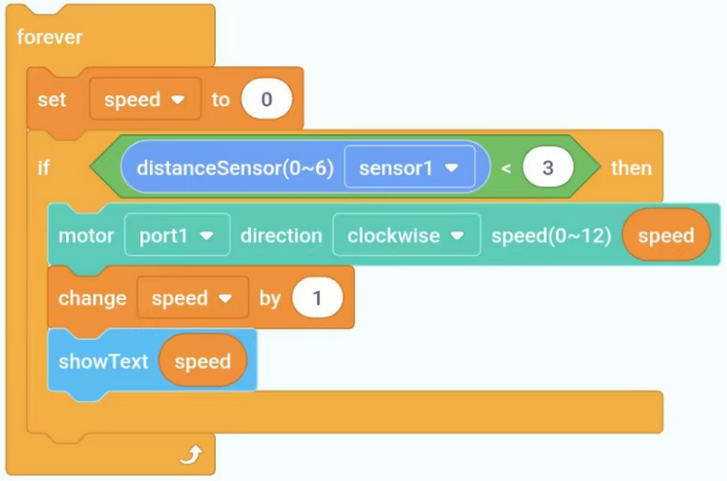




What have you noticed?

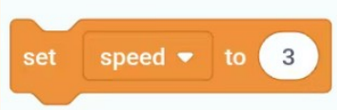


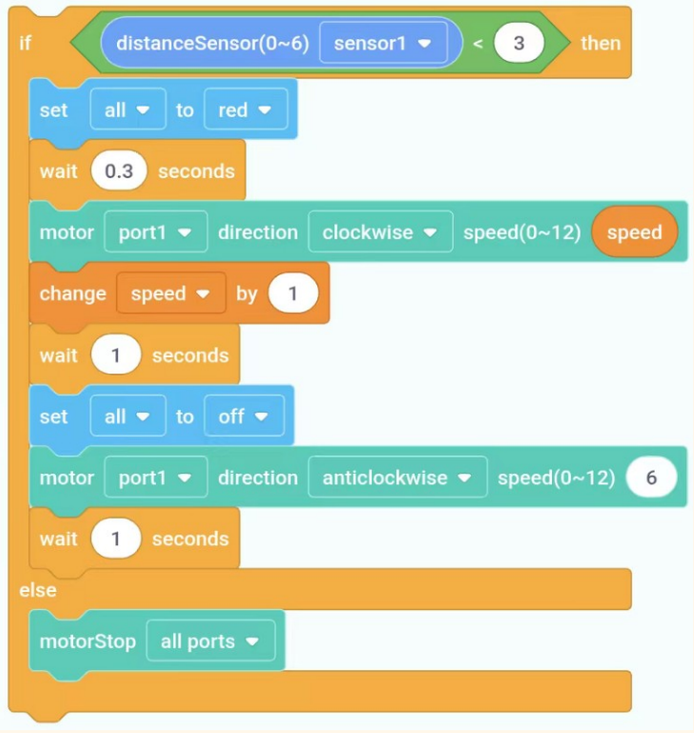
How are these two different?

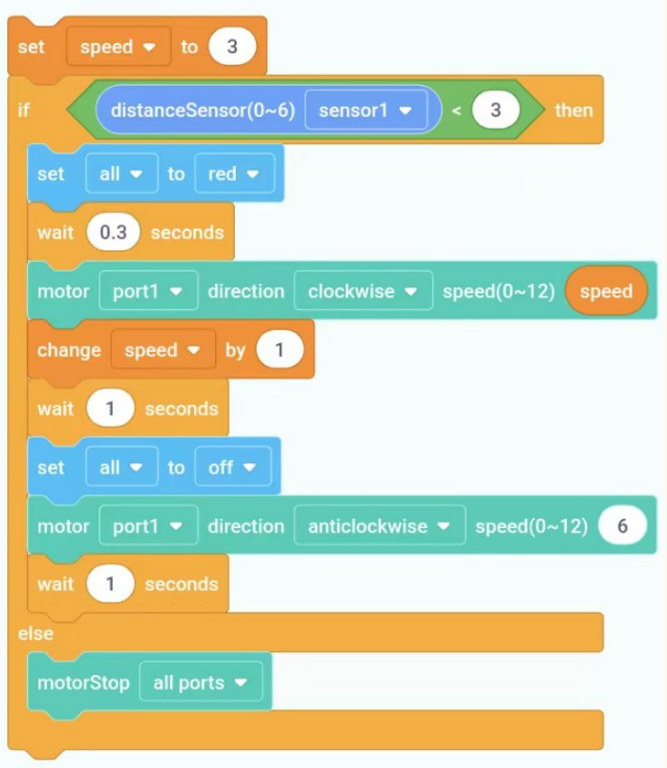


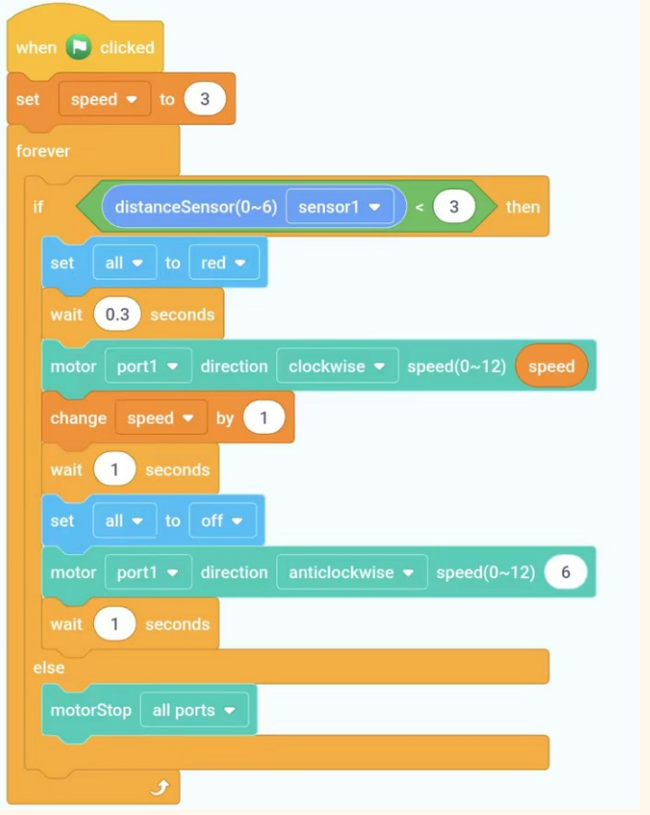
1.Programming logic

1.How can we add more challenge to the game?





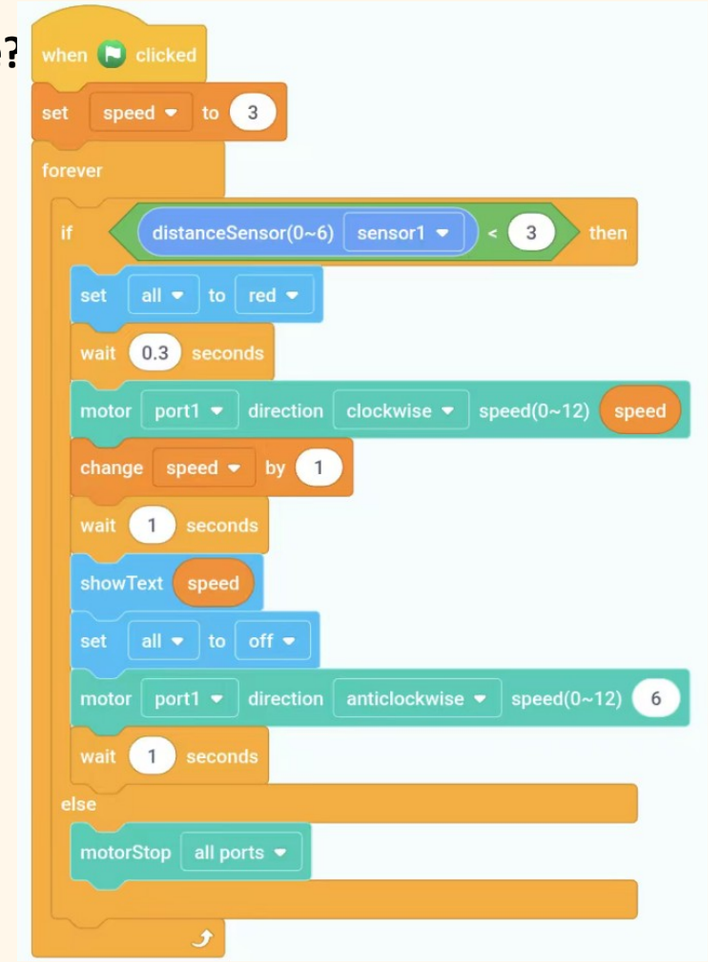




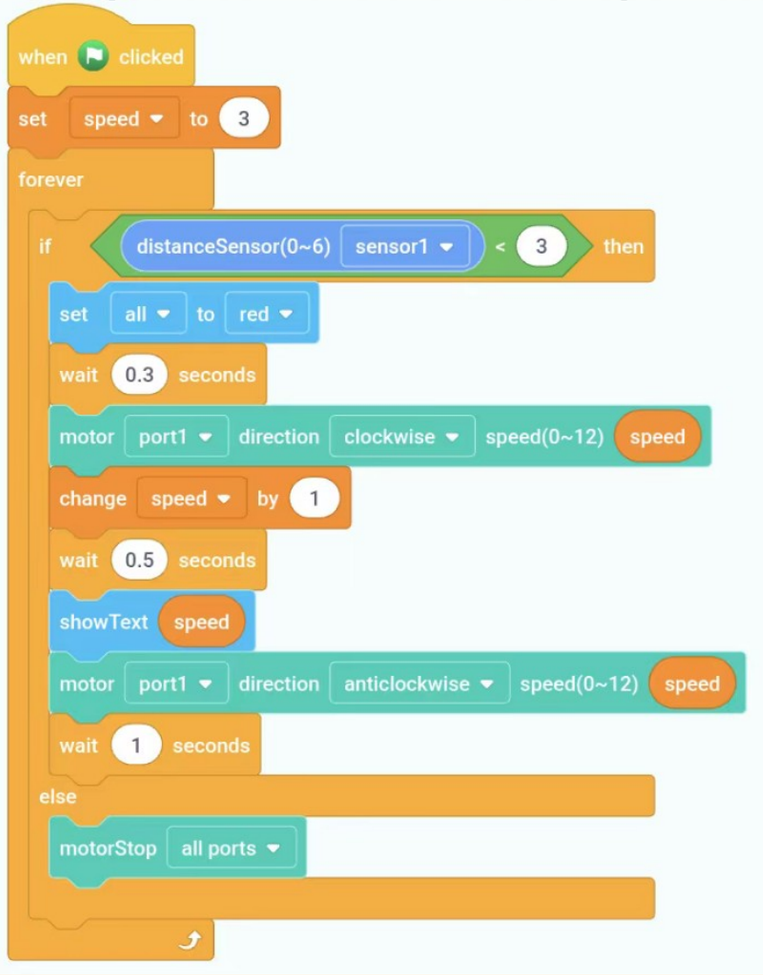
4

1.Have a try.

Task 1: How can you make the change in speed visible?



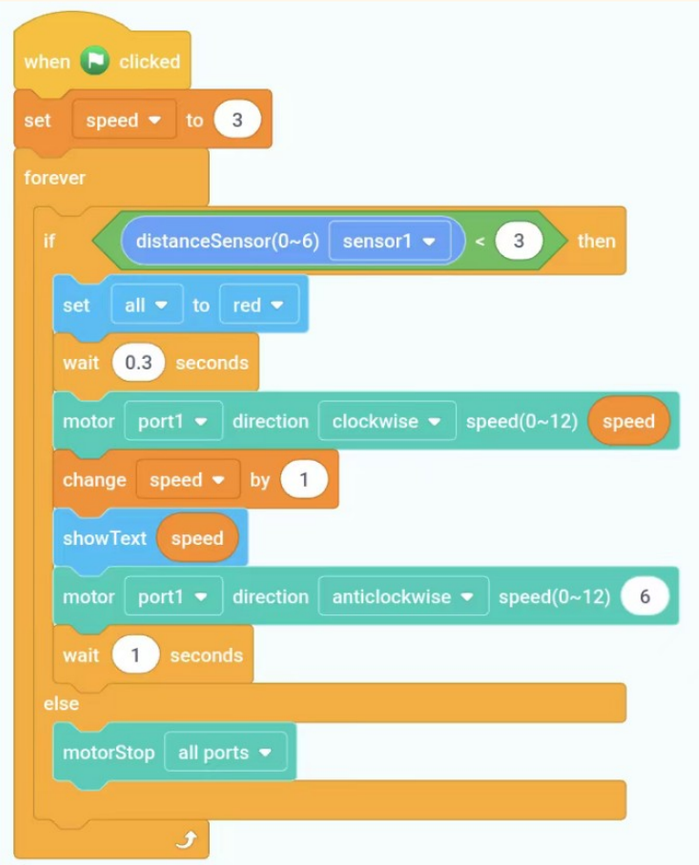
Task 2: How can you also make the mouth open faster and faster?



Consolidate and extend

Q &
A

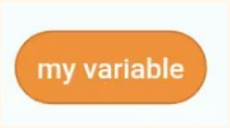
Q1 : Alex programmed the crocodile like this. What will happen?



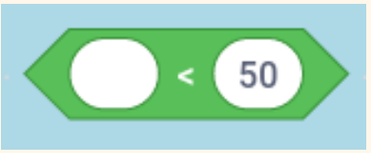
A1 : The variable will suddenly increases a lot.

5

Knowledge Review

(1) 

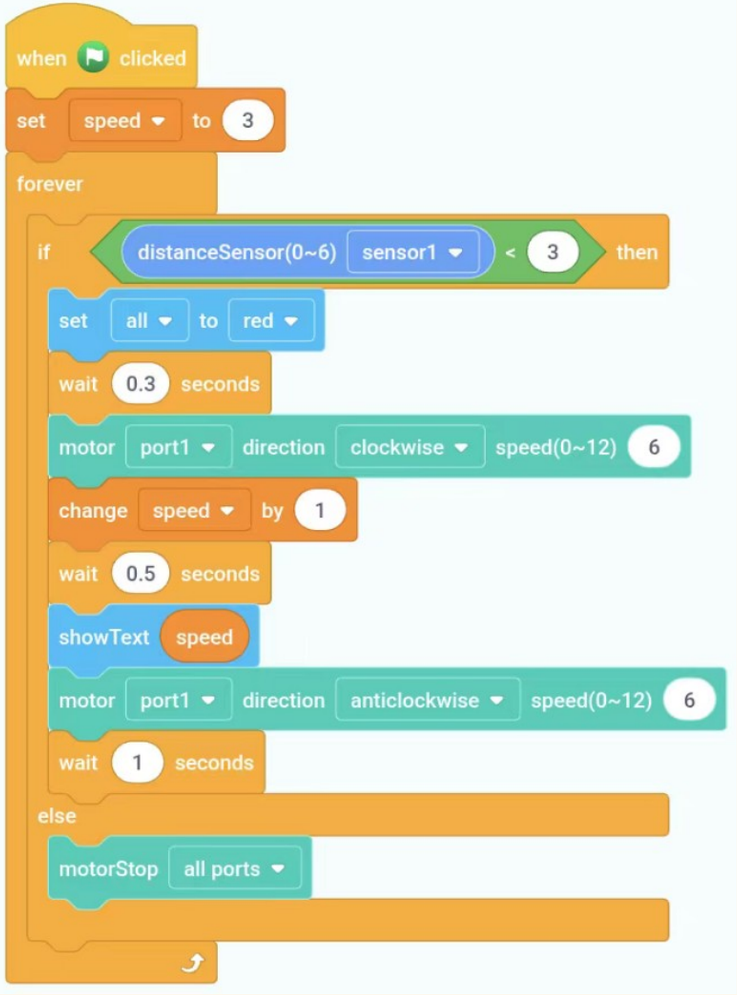
A variable

(2) 

Compare the values on both sides.

5

Alex programmed the crocodile like this. What will happen? ( )

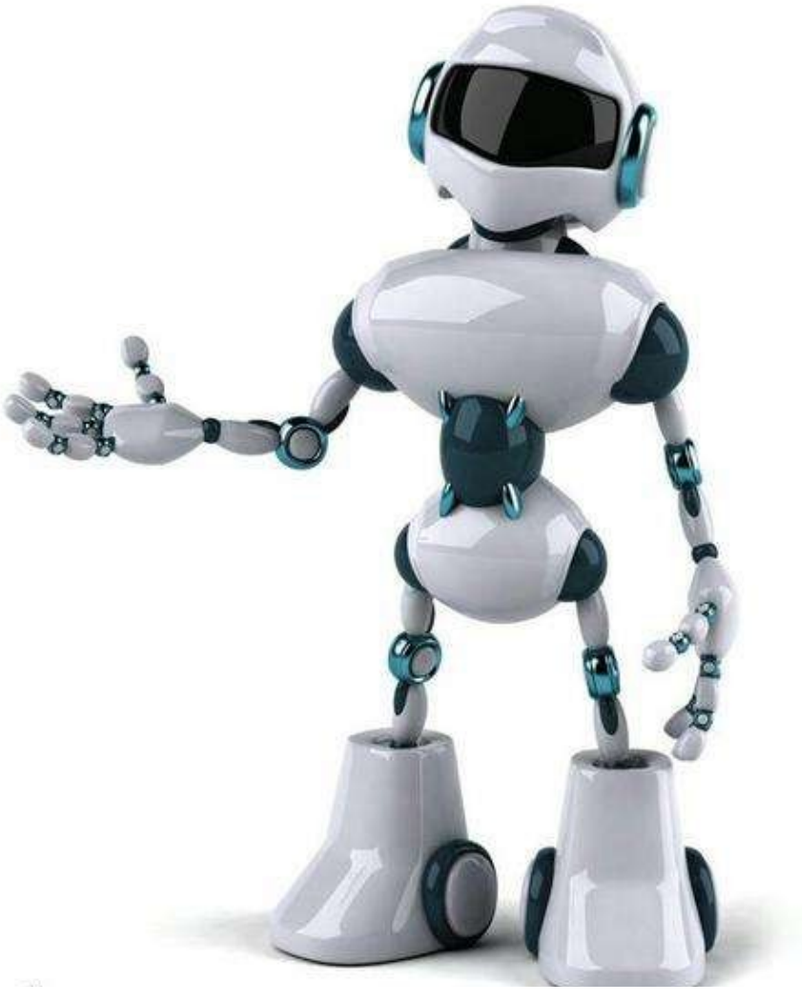


A **Nothing happen.**

B **The speed will not increase.**

C **The variable does not change.**

D **The crocodile will not move.**

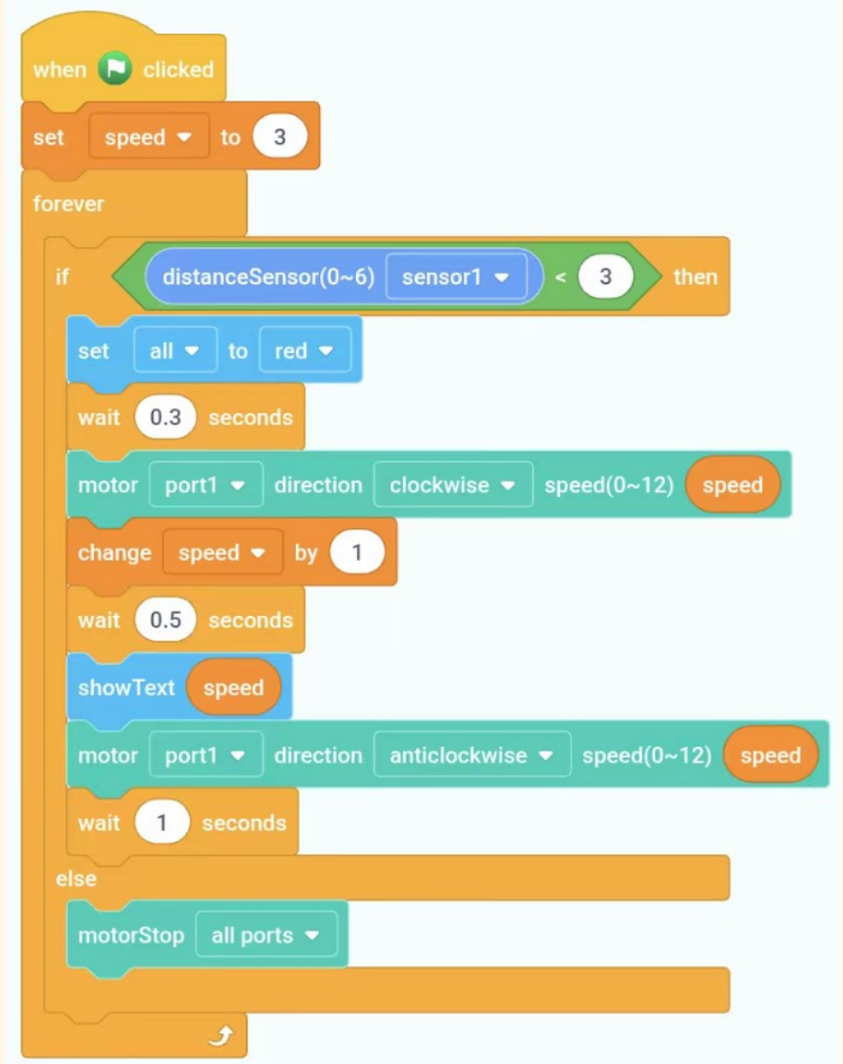


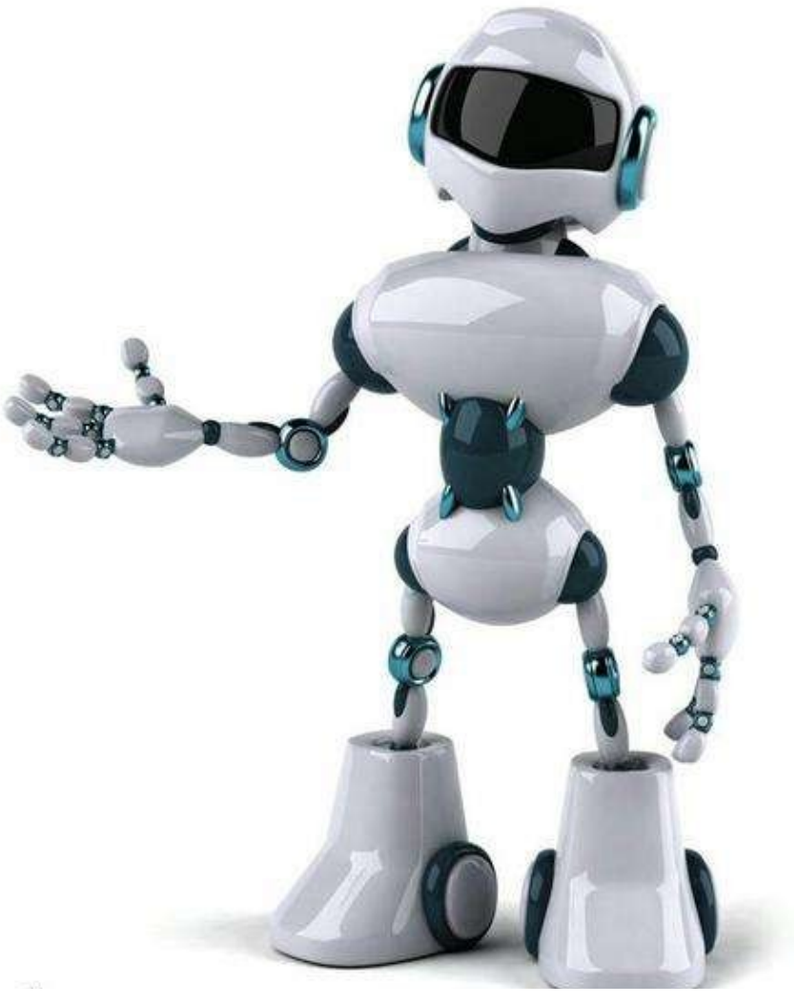
5

Answer : **B**

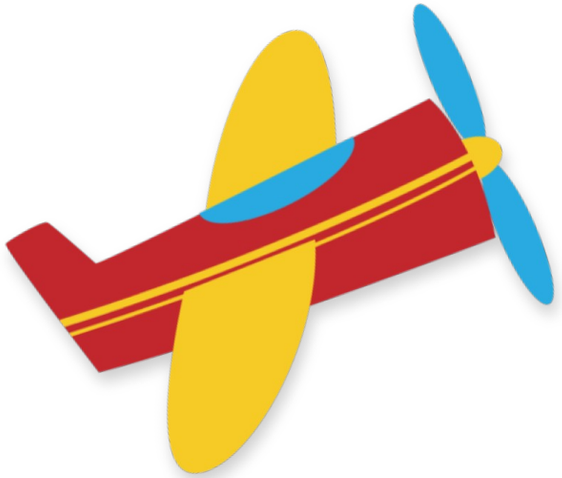
Analysis :

Because the variable isn’t added to the speed, the crocodile doesn’t get any faster.





Talk



THANKS