Logic

Space

Coding

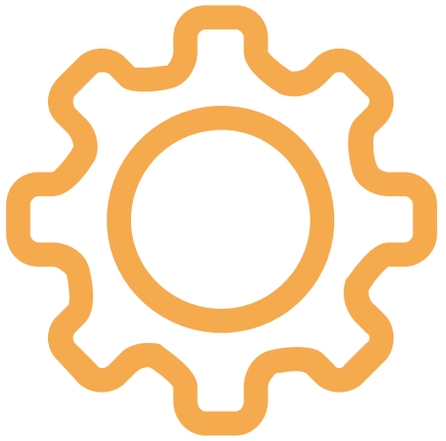
Focus

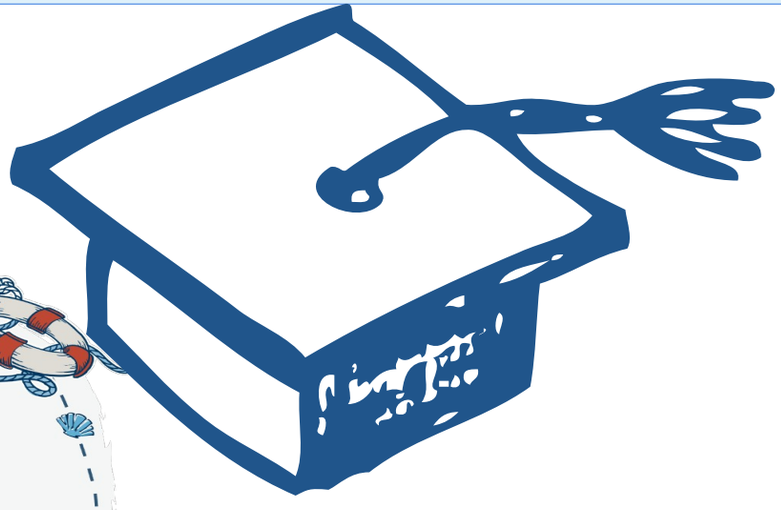
Classroom Discipline

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.



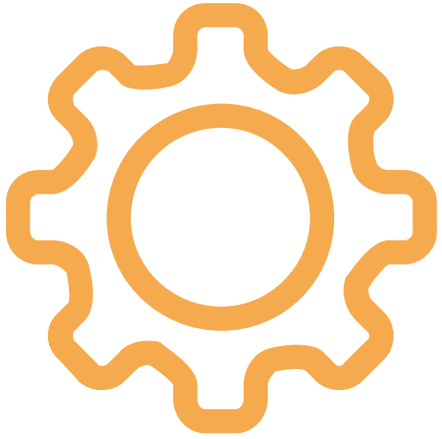


Crocodile 01

Course Goals

Thinkidea

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

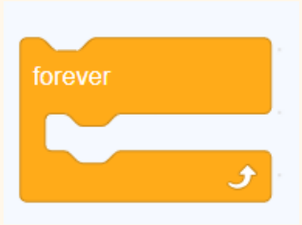


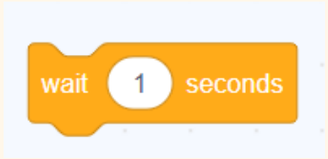
1

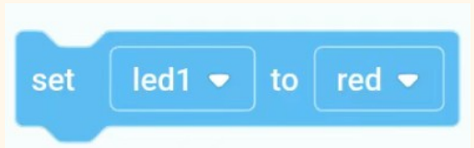
1. Get to know the fierce crocodile, learn about its habits, and make the crocodile open its mouth to bite — faster and faster!
2. Consolidate the modules like “**Move**” 、 “**sensor**” .
3. Learn new modules “**Variable**” .
4. Comprehensively apply the learned modules to complete programming projects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

1

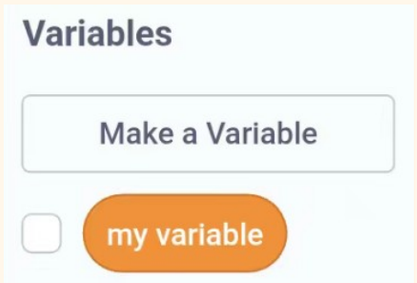
Consolidate modules:







New modules:



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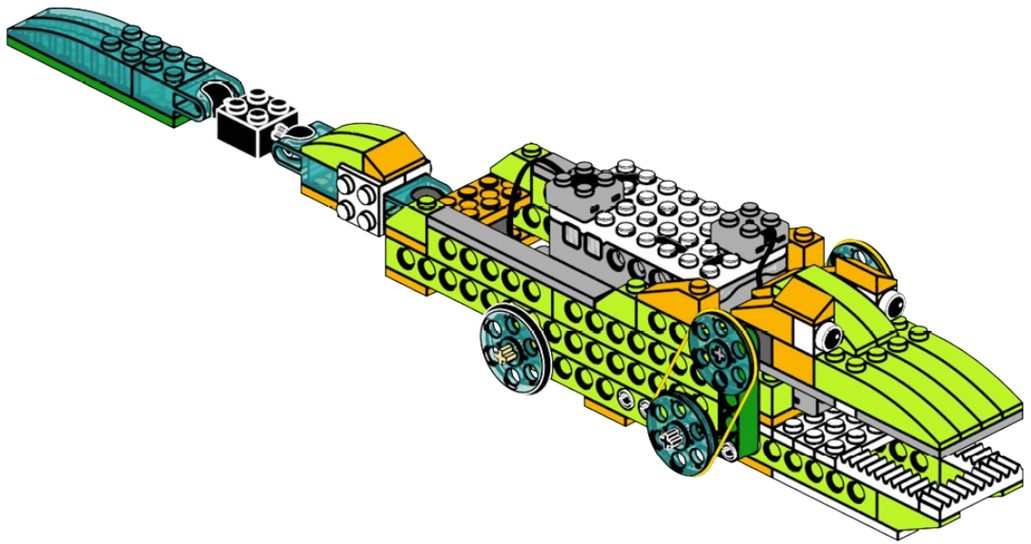


Project Discussion

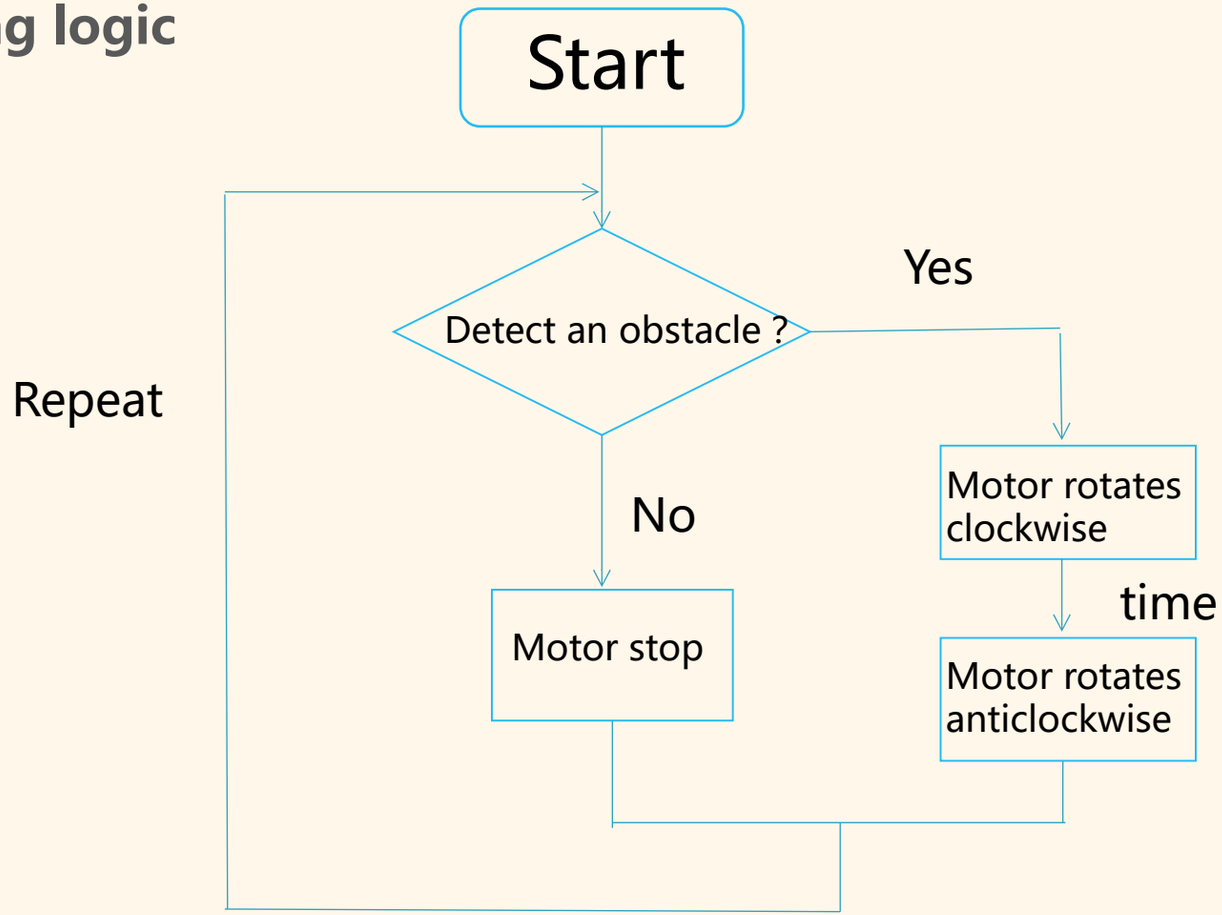
1.The crocodile opens its mouth.

2.Our hand gets close.

3.Then it bites down.

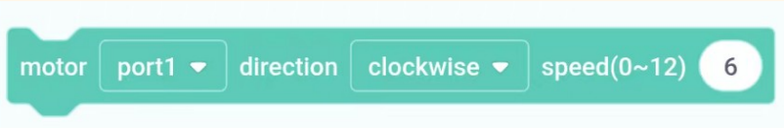
4.Then it opens its mouth again.

1.Programming logic



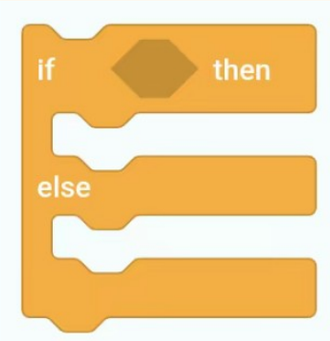
1.Programming logic

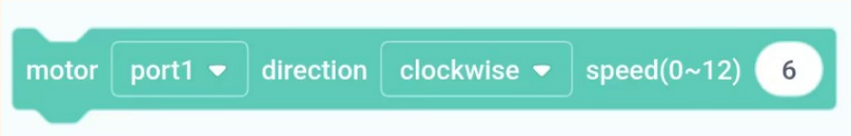
1.The crocodile opens its mouth.

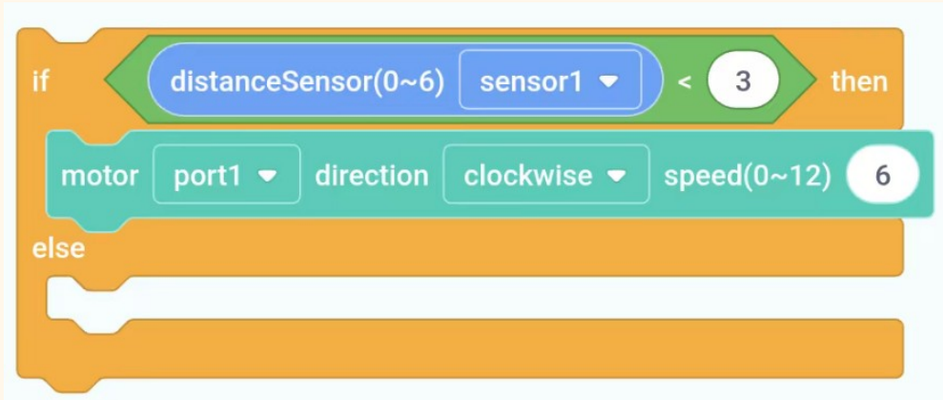


Determine the direction for the crocodile to open its mouth.

2.When the crocodile sees the food,

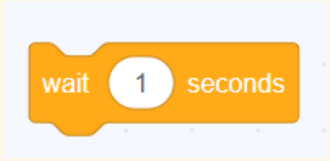




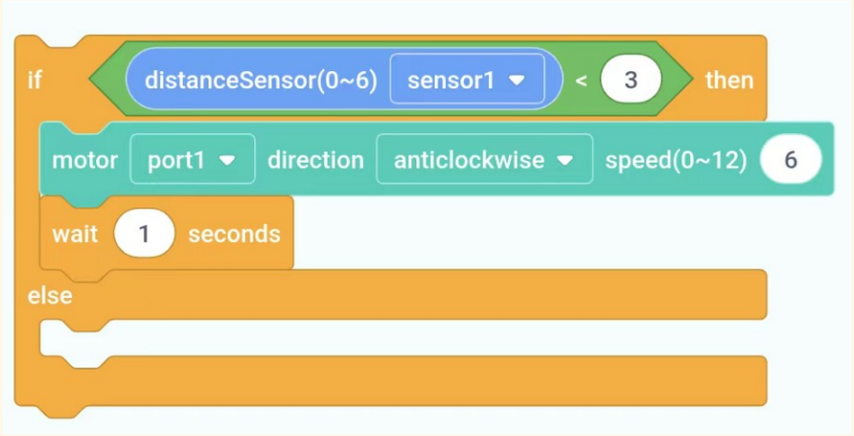


1.Programming logic

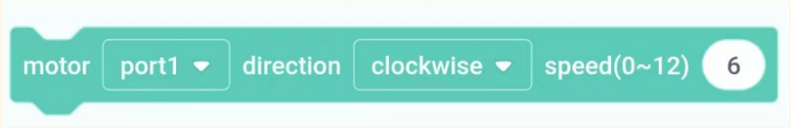
1.The crocodile bites people.

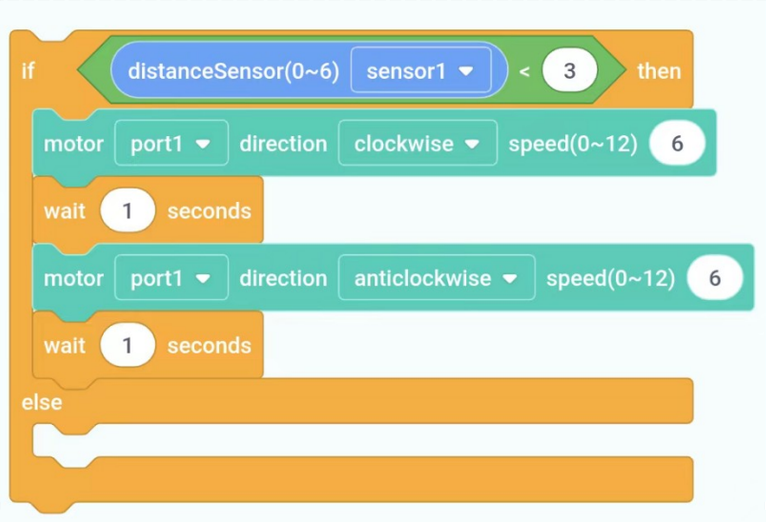


After biting, the crocodile opens its mouth again.



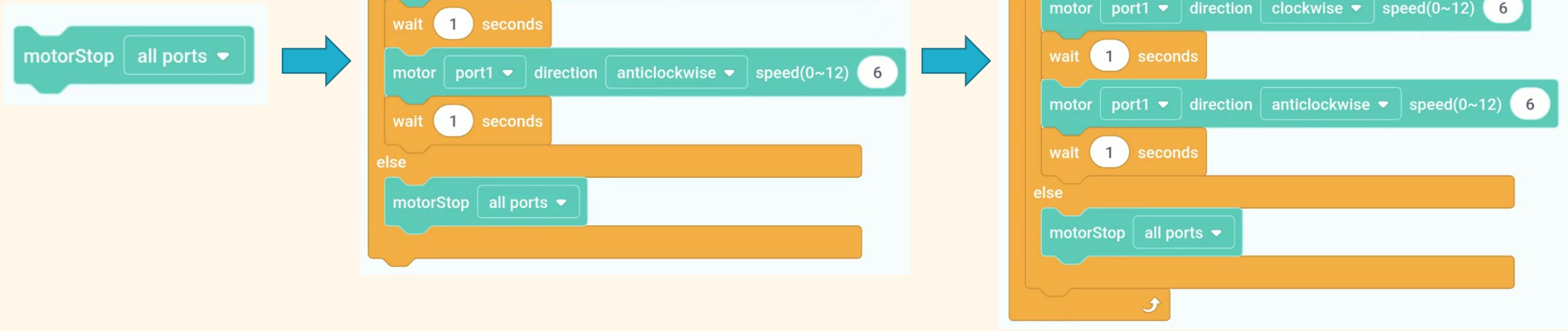
2.After biting, open the mouth.





1.Programming logic

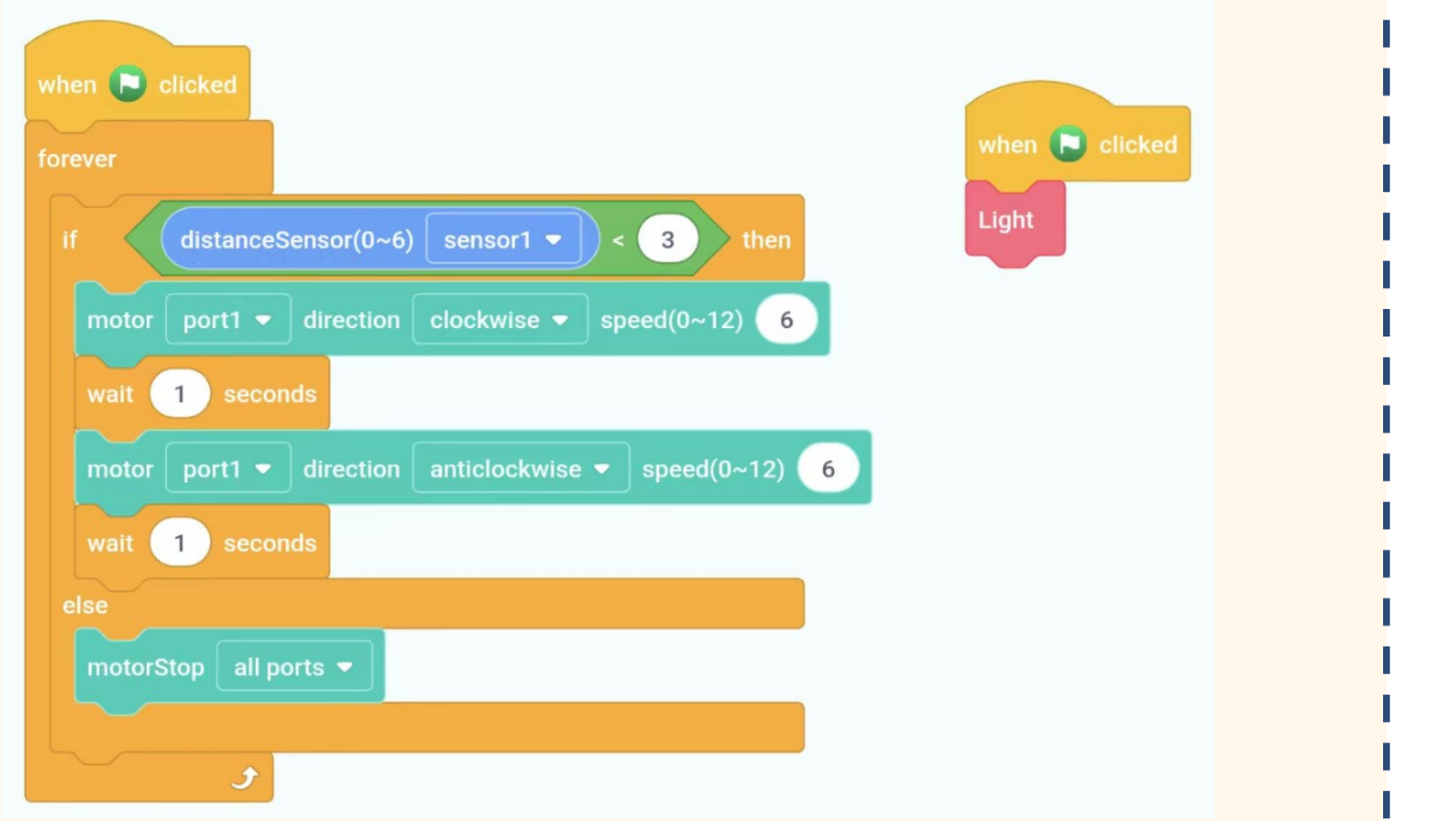
1.Programming for the situation when the crocodile is operating normally.



4

1.Have a try.

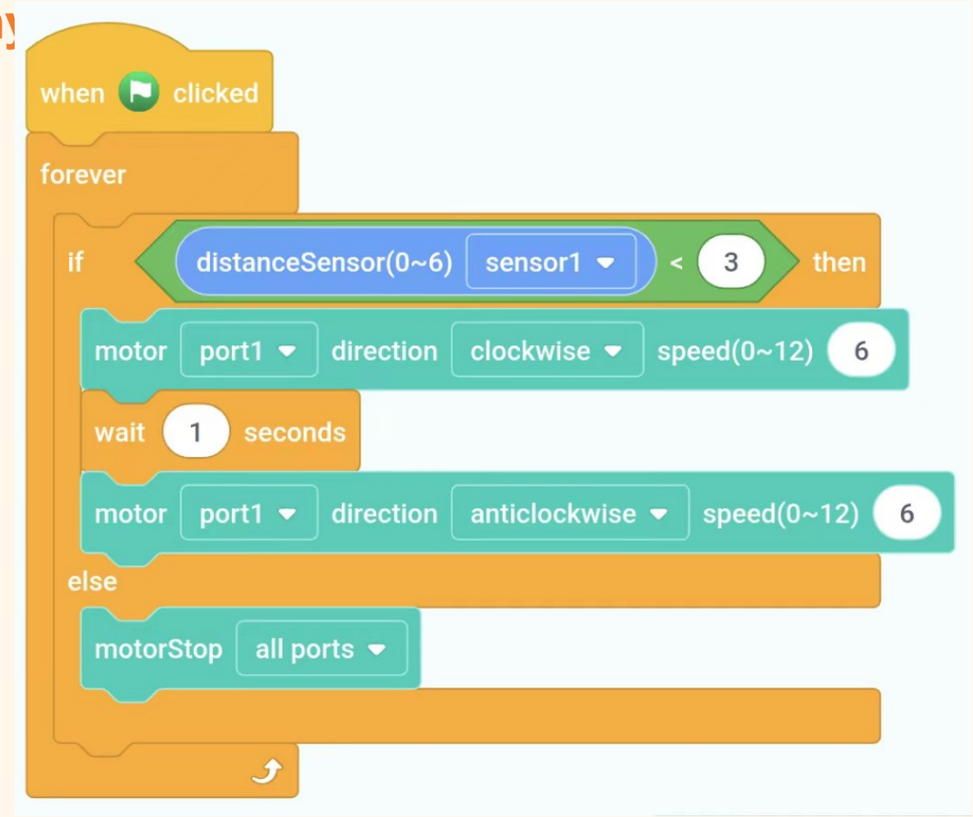
Task 1: Let's add some lighting effects!



Consolidate and extend

Q & A

Q1 : Alex programmed the crocodile with this program, but after it bites, it doesn’ t open its mouth again. Why

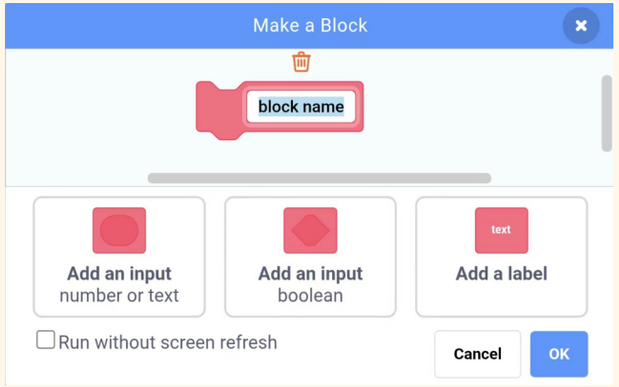


A1 : Because a waiting time was not added.

5

Knowledge Review

(1)



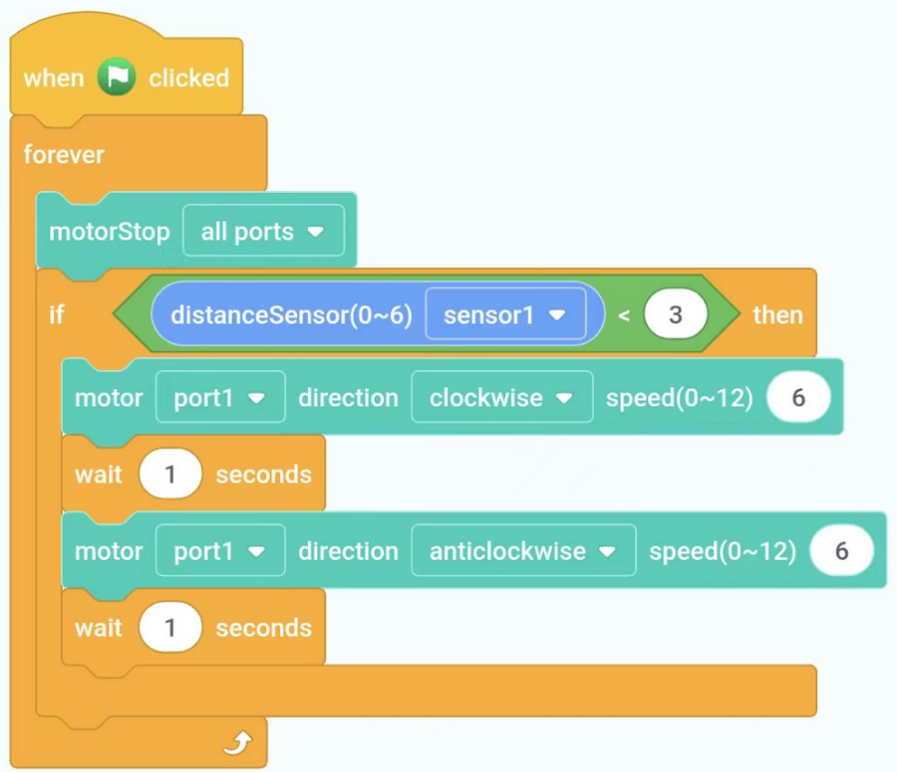
By defining scripts, we can replace complex programs with custom ones and use them more easily.

(2)

Compare the values on both sides.

5

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



A Nothing happen.

B The crocodile will not close its mouth.

C The crocodile will keep opening and closing its mouth.

D The crocodile will not move.

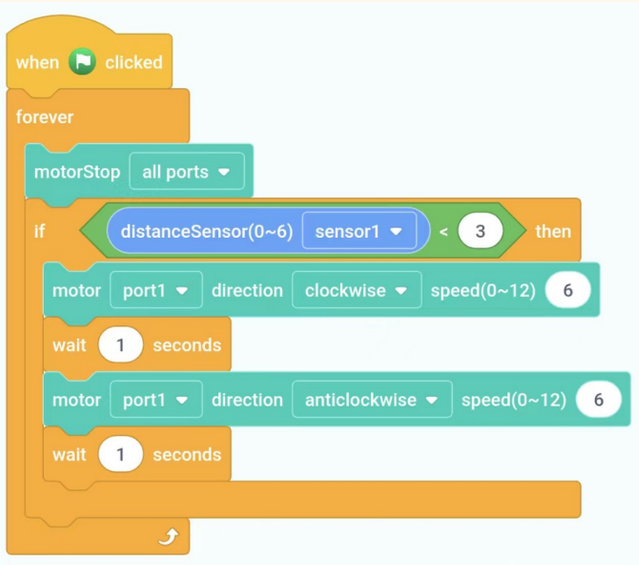
5

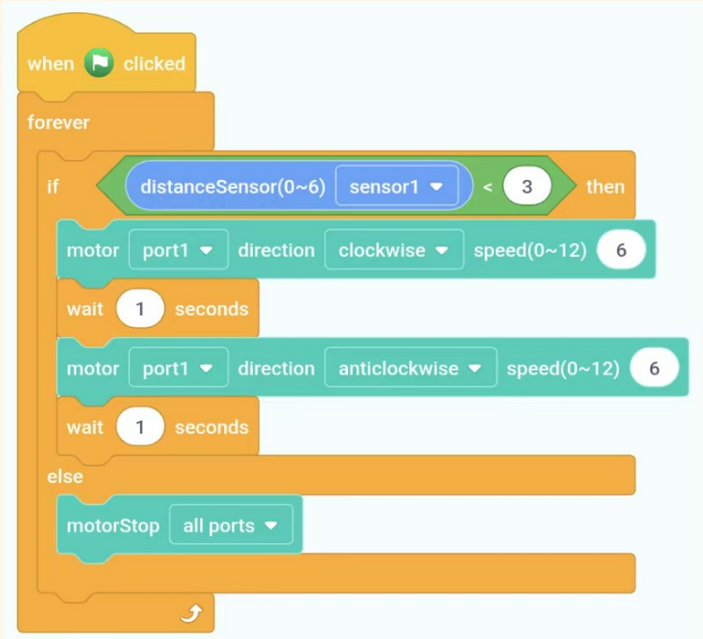
Answer :

A

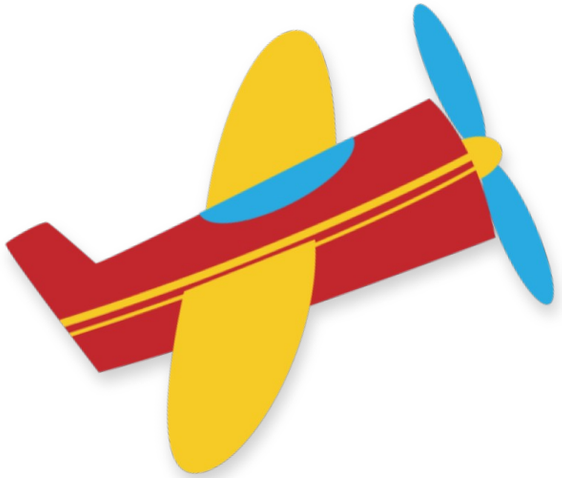
Analysis :

There is no change at all—only the logical order has changed slightly.





Talk



THANKS