

A clever approach to Code!

Our students
solve well
over 100 code
challenges!

Our students
created
their own
challenge!

Welcome to Code!



Code

Do Now and Goal..

Proud!

Iterating

`for b in bananas`

Index

is an order

for loop

is to repeat

Final day in Code Lab!

Do Now and Goal..

Show teacher an easy
and a difficult challenge

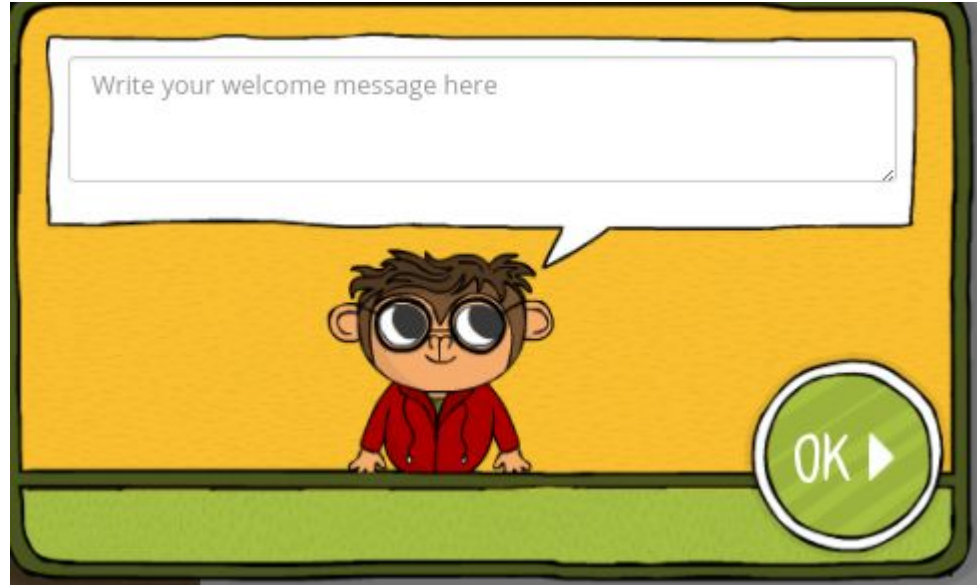
Share one with class.

Try one of your classmates.



Code
Creative!

Start with!
Utilizing
pseudo Code...
Define
the challenge.

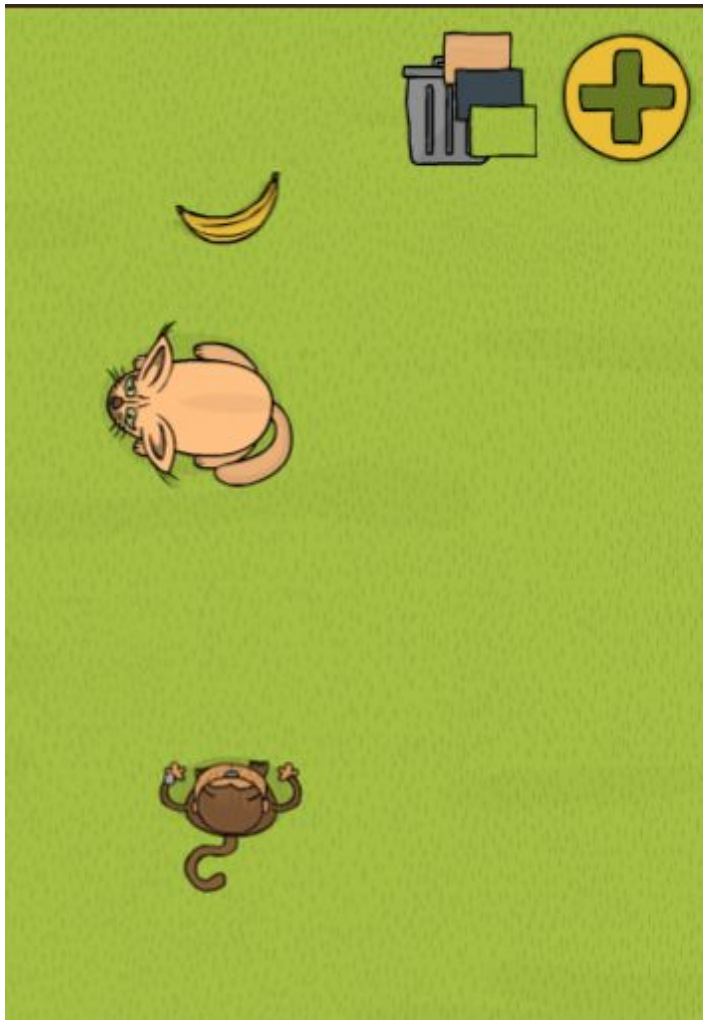




```
1 x = 15  
2  
3 turtle.step x  
4 step x  
5 turn left  
6 step x
```

**The challenges are
based around a Monkey
collecting**





Configurations *

Try it!












```
1. {
2.   "monkey": {
3.     "x": 300,
4.     "y": 400,
5.     "rotation": 90
6.   },
7.   "bananas": [
8.     {
9.       "x": 300,
10.      "y": 100
11.    }
12.  ],
13.  "theme": "GreenFields",
14.  "lake": false,
15.  "cats": [
16.    {
17.      "x": 300,
18.      "y": 200,
19.      "rotation": 0
20.    }
21.  ]
22. }
```

**Configuration
of workspace**

Relationships to object



Animals Objects

Cancel Add

Click to add

turn	left	right	times	grab	drop	function	until
not	hear	sleeping	wait	goto	hit	frozen	if
green	if else	and	or	playing	rotten	health	
equals	less than	return	watching	onkey	onMouseMove		
onClick	toss	"Hello!"	setX	setY	walk	leftTurn	
facing	turnOneDeg...	weight	eat	greater th...			

Our students work with block code.

step	turnTo	distanceTo	say	for	+
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Syntax and Terms

Order of operation

Index

Array

Loops

For Loop

Times loop

Until loop

Functions

Algorithms

```
chase = (a) ->  
    until near a  
        turnTo a  
        step distanceTo a
```

```
collect = (m) ->  
    until cat.sleeping()  
        wait()  
        chase m  
        grab()  
        chase pile  
        drop()
```

```
for g in matches  
    collect g
```



Share Challenge

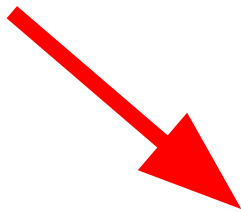
Share with your classroom!



Private
Only I can view



Classroom
My CodeMonkey group can view



Please welcome
our students volunteers
Jill, Journey and Lucy!