A clever approach to Code!

Our students solve well over 100 code challenges!

Our students created their own challenge!

Welcome to **Code!**

Do Now and Goal..

Iterating

for b in bananas

Index

is an order

for loop

is to repeat

Code Proud!

Final day in Code Lab!

Do Now and Goal..
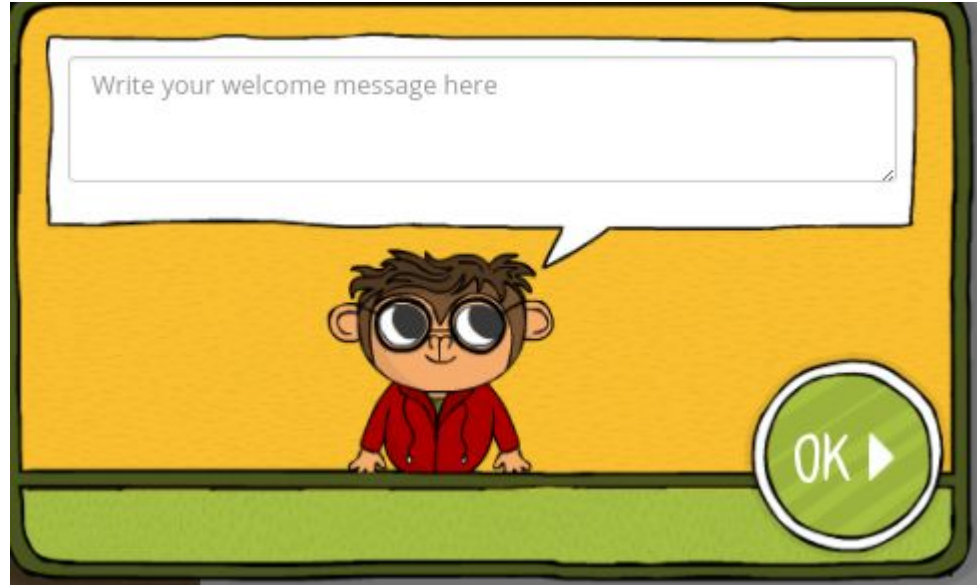
Show teacher an easy and a difficult challenge

Share one with class.

Try one of your classmates.

Code Creative!

Start with!

Utilizing
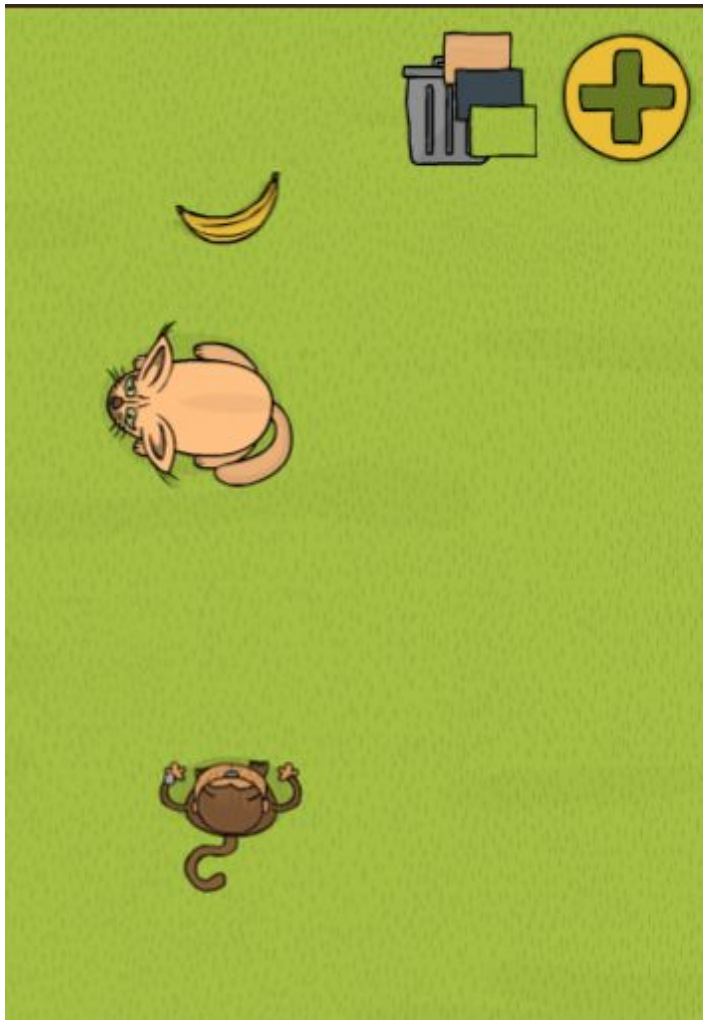
pseudo Code...

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

banana

Configuration of workspace

```json
{
    "monkey": {
        "x": 300,
        "y": 400,
        "rotation": 90
    },
    "bananas": [
        {
            "x": 300,
            "y": 100
        }
    ],
    "theme": "GreenFields",
    "lake": false,
    "cats": [
        {
            "x": 300,
            "y": 200,
            "rotation": 0
        }
    ]
}
```

Relationships to object

Animals   Objects

Cancel   Add

Our students work with block code.

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
```
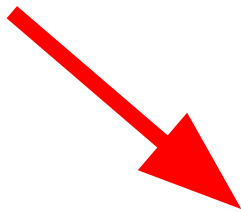
Share Challenge

Share with your classroom!

Private

Only I can view

Classroom

My CodeMonkey group can view

Please welcome our students volunteers **Jill, Journey and Lucy!**