

## Python: Number Guess

1. Login to [www.replit.com](https://www.replit.com) (if you don't have an account, you'll need to create one).
2. Create a new **Repl** for **Python** and name it **Number Guess**
3. Before you copy the code, what do you think is happening in the code?
4. Carefully type up the code (below).
5. Once the code has been copied select **run**. If you get a **Syntax Error** it means that there is a problem with the format of the code. Please check accuracy of capitalisation, spaces, brackets, quotation marks etc.
6. **Test** your code by selecting **run**. Type in names of people you might know! Just remember that the code uses a random number and so it is meant to be a bit of fun.

```
main.py
1  from random import randint
2
3  repeat = True
4  while repeat == True:
5      randy = randint(0,10)
6      var1 = input("Guess a number between 0 & 10 ")
7      if randy == int(var1):
8          print("Correct")
9      else:
10         print("Wrong, the number was", randy)
```

7. Add in **code comments** to your code to explain what lines 1, 3, 4, 5, 6, 7, 8, 9, 10 do.  
E.g. `print(var4) #this prints to the screen the value stored in var4`
8. Describe what is a **Boolean**?
9. Describe what is a **loop**?
10. Describe what is a **conditional statement**?