

## Python: The Love Calculator

1. Login to [www.replit.com](http://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 **Love Calculator**
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  print("#####")
4  print(">>> The Love Calculator <<<<")
5  print("#####")
6
7  var1 = input("Please type in the first person's name: ")
8
9  var2 = input("Please type in the second person's name: ")
10
11  randy1 = randint(0, 100)
12  var3 = var1 + " loves " + var2 + " " + str(randy1) + "%"
13  print(var3)
14
15  randy2 = randint(0, 100)
16  var4 = var2 + " loves " + var1 + " " + str(randy2) + "%"
17  print(var4)
```

7. Can you describe what is happening on the following lines of code?

1	
7	
11	
12	
13	

8. Add in **code comments** to your code to explain what line 1,7,11,12 & 13 do.  
E.g. **print(var4) #this prints to the screen the value stored in var4**
9. Describe what is a **Syntax Error**?
10. Describe what is a **Variable**?