

## Python: Magic 8-ball

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 **Magic 8-ball**
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  question = input("What is your question? ")
4  answer = ""
5  random_number = randint(1,9)
6
7  if random_number == 1:
8      answer = "Yes - definitely."
9  elif random_number == 2:
10     answer = "It is decidedly so."
11  elif random_number == 3:
12     answer = "Without a doubt."
13  elif random_number == 4:
14     answer = "Reply hazy, try again."
15  elif random_number == 5:
16     answer = "Ask again later."
17  elif random_number == 6:
18     answer = "Better not tell you now."
19  elif random_number == 7:
20     answer = "My sources say no."
21  elif random_number == 8:
22     answer = "Outlook not so good."
23  elif random_number == 9:
24     answer = "Very doubtful."
25  else:
26     answer = "Error"
27
28  print("You have asked magic 8-ball: ", question)
29  print("Magic 8-Ball's answer: ", answer)
```

7. Add in **code comments** to your code to explain what line 1, 3, 4, 5, 7, 8, 9, 25, 28 do.  
E.g. `print(var4) #this prints to the screen the value stored in var4`
8. Describe what is a **conditional statement**?