Python Magic 8 Ball Tutorial

We all have experienced this annoying magic 8 ball game. I really really didn't like playing it but it seems fun to do a tutorial for this annoying little dot in the universe. Nah its going to be fun also you can do your own answers to amaze yourself and others.

Code	Description
import random	Import keyword is used to add a class to your project. Python has different classes prebuilt which we can use to do thing fast. So instead of writing the code ourselves we can just import it. Which we did. Nice
import time	We are importing the time class not time itself because I don't know I'm not Neil deGrasse Tyson or Stephen Hawkins.
import sys	We are importing the sys class which contains all the important functions for the python system itself. No puns here.
list = ["Yes, most definitely!", "The chances are high!", "Not likely!", "May the odds be ever in your favour.", "You got no shot, kid.", "Try it out and see!", "15% of working", "99.9% success rate", "Congratulations, yes!", "Ask a probably question," "Ask again later", "Better not tell you now", "Cannot predict now", "Concentrate and ask again", "Dont count on it"]	This is an array or list which ever you want to call it. Let's call it a list since python has the syntax called LIST. This holds many different values inside it. If you look at it closely we start the variable just as any normal variable but then t goes inside the square brackets. **list = [].** Inside those square brackets we are putting strings between brackets and a comma after it.

def userinput():
    question = 'Enter your question:'
    print(question)
	We are declaring user input function. This functions purpose is to capture users question and to print an answer out. In this three line first line we are declaring the function, second line we are creating a variable called question and third we are printing the question to the screen.

userQ = input("")	Declaring a user question variable called userQ and we are going to capture the input.
print("\nThinking..\n")	Printing the word Thinking to the screen \n means we are adding a line before the thinking word and \n one after.

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time.sleep(3)	Remember when we imported the time class, this is where we are going to use it. In this case we are going to delay the answer 3 seconds.
print(random.choice(list))	We will print a random sentense from the list. Remember that random class we imported before there is where we will use it. random.choice(list) takes all the options inside the list array and will choose one for us.
result()	This line calls the result function.
def result(): 　　**print("Would you like to ask another question? (yes or no)")** 　　**user_reply = input('> ')**	Here is the result function. First we will declare the function with def keyword second line prints the question would you like to ask another question. third like is capturing the user reply
while(input): **if user_reply == "yes":** 　　**userinput()** 　　**else:** 　　**print("Thanks for playing!")**	We take the user reply and run it through a while loop. If they user says yes then we run the user input function again and they can play the game all over again. If they enter anything else we say thanks for playing
sys.exit(0)	Finally we run the sys.exit(0) this will stop the program from running completely. remember that sys class we imported on the top this is where we use it.
print("Welcome to the Magic 8 Ball!") **userinput()**	Now the end line is actually what runs first. The functions don't run on their own it runs when we call it. So before we call the user input for the first time we print welcome for our users and then we run the user input function. This will start the game and continue top to bottom all over again.

Lets run this thing and find out how it works.

```
C:\Users\Admin\AppData\Local\Programs\Pytho
Welcome to the Magic 8 Ball!
Enter your question:
```

Asking me to ask a question. LOL ohh the irony

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```
C:\Users\Admin\AppData\Local\Programs\Pythor
Welcome to the Magic 8 Ball!
Enter your question:
Am i the greatest programmer ever!!!
```

I asked "am I the greatest programmer ever!!! "

```
Welcome to the Magic 8 Ball!
Enter your question:
Am i the greatest programmer ever!!!

Thinking..

Yes, most definitely!
Would you like to ask another question? (yes or no)
```

Ok this was unexpected, but hey I think I like the magic 8 Ball game now unless it knew how to make me like it then I still like it lol.

```
C:\Users\Admin\AppData\Local\Programs\Python\Python35-32\python.e
Welcome to the Magic 8 Ball!
Enter your question:
Am i the greatest programmer ever!!!

Thinking..

Yes, most definitely!
Would you like to ask another question? (yes or no)
> no
Thanks for playing!

Process finished with exit code 0
```

I hope you enjoyed this tutorial.

Keep on learning.

Full Code:

```
import random
import time
import sys
```

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```python
list = ["Yes, most definitely!", "The chances are high!", "Not
likely!", "May the odds be ever in your favour.",
        "You got no shot, kid.", "Try it out and see!", "15%
of working", "99.9% success rate",
        "Congratulations, yes!", "Ask a probably question,"
"Ask again later", "Better not tell you now",
        "Cannot predict now", "Concentrate and ask again",
"Dont count on it"
        ]
def userinput():
    question = 'Enter your question:'
    print(question)
    userQ = input("")

    print("\nThinking..\n")
    time.sleep(3)
    print(random.choice(list))

    result()

def result():
    print("Would you like to ask another question? (yes or
no)")
    user_reply = input('> ')
    while(input):
        if user_reply == "yes":
            userinput()
        else:
            print("Thanks for playing!")
            sys.exit(0)
print("Welcome to the Magic 8 Ball!")
userinput()
```

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