Define a variable with name var_string with value "This is a quiz"

```
In [0]: var_string = "This is a quiz"
```

Print out the value of the index 10 in the var_string in two ways

```
In [8]: var_string[10]
Out[8]: 'q'
```

```
In [9]: var_string[-4]
Out[9]: 'q'
```

Print out the length of var_string

```
In [10]: len(var_string)
Out[10]: 14
```

Reverse the string var_string

```
In [20]: var_string[::-1]
Out[20]: 'ziuq a si sihT'
```

Define a variable with name var_int with value 10

```
In [0]: var_int = 10
```

Print out the value of var_int + 5

```
In [22]: var_int + 5
Out[22]: 15
```

Print out the value of var_int % 5

```
In [23]: var_int % 5
Out[23]: 0
```

Take an input value for name with a messaage "Whats your name : " and store it in a variable var_name

```
In [24]: var_name =input("What's your name?")
```

```
What's your name?Aman
```

Print out only the first 3 characters in var_name

```
In [25]: var_name[0:3]
```

```
Out[25]: 'Ama'
```

Define a empty list with variable name var_list

```
In [0]: var_list =[]
```

Add the strings "This", "Is", "A" and "List" to var_list

```
In [31]: var_list.append("This")
         var_list.append("Is")
         var_list.append("A")
         var_list.append("List")
         var_list
```

```
Out[31]: ['This', 'Is', 'A', 'List']
```

```
In [35]: #or
         var_list = ["This", "Is", "A", "List"]
         var_list
```

```
Out[35]: ['This', 'Is', 'A', 'List']
```

Remove "Is" from var_list

```
In [36]: var_list.remove("Is")
         var_list
```

```
Out[36]: ['This', 'A', 'List']
```

Replace "This" with "Here"

```
In [37]: var_list[0] = "Here"
         var_list
```

```
Out[37]: ['Here', 'A', 'List']
```

Insert "Is" in var_list after "Here"

```
In [42]: var_list.insert(1,"Is")
         var_list
```

```
Out[42]: ['Here', 'Is', 'A', 'List']
```

Define a variable var_string_list = "This is my second string". Create a list new_list from the string var_string_list

```
In [44]: var_string_list = "This is my second string"
         new_list = var_string_list.split()
         new_list
```

```
Out[44]: ['This', 'is', 'my', 'second', 'string']
```

Define a variable called var_lang with "Python". Print "This is Python" if the var_lang is 6 characters long and starts with Captial P and ends with n, else print "This is not Python"

```
In [0]: var_lang = "Python"
```

```
In [47]: if len(var_lang) == 6 and var_lang[0] == "P" and var_lang[5] == "n":
           print("This is Python")
         else:
           print("This is not python")
```

```
This is Python
```

Define a variable called var_word with "WORD". Print out "It exists" if R exists in var_word, else print out "It doesnt exist"

```
In [0]: var_word = "WORD"
```

```
In [49]: if "R" in var_word:
           print("It exists!")
         else:
           print("It doesn't exist")
```

```
It exists!
```