**Quiz 3**

Q1. Python is _____ ?

a. an Interpreted Language

b. a Compiled Language


Q2. Are codes written in Python shorter or longer than some other programming languages like Java? And why?


Q3. Write the output from the Python interpreter for the following:

```
>>> word = 'Python'
>>> word[0]
```
Answer:

```
>>> word[5]
```
Answer:

```
>>> word[-1]
```
Answer:

```
>>> word[-6]
```
Answer:

```
>>> word[-0]
```
Answer:

```
>>> word[0:2]
```
Answer:

```
>>> word[2:5]
```
Answer:

```
>>> word[:2]
```
Answer:

```
>>> word[:2] + word[2:]
```
Answer:

```
>>> word[:4] + word[4:]
```

Answer:

```
>>> word[42]
```

Answer:

```
>>> word[4:42]
```

Answer:

```
>>> word[42:]
```

Answer:


Q4. Python strings are mutable (i.e. can be changed)

a. True

b. False

Q5. Python Lists are mutable (i.e. can be changed)

a. True

b. False


Q6. What is the output of the statement before "Answer"

```
>>> a = ['a', 'b', 'c']
>>> n = [1, 2, 3]
>>> x = [a, n]
>>> x
[['a', 'b', 'c'], [1, 2, 3]]
>>> x[0]
```

Answer:

```
>>> x[0][1]
```

Answer:


Q7.>>> letters = ['a', 'b', 'c', 'd', 'e', 'f', 'g']

a. Write code to replace 'c', 'd' and 'e' with their capitalized versions.

b. Write code to remove 'c', 'd' and 'e'.

c. Write code to clear the list.