Question 1

▾ Try 5 different functions of the string in python.

```
name = "PQR Letsupgrade"
```

```
name
```

```
      'PQR Letsupgrade'
```

```
name.index ("R")
```

```
      2
```

```
address = "Delhi"
```

```
address
```

```
      'Delhi'
```

```
name + " "+ address
```

```
      'PQR Letsupgrade Delhi'
```

```
name.split()
```

```
      ['PQR', 'Letsupgrade']
```

```
name.encode()
```

```
      b'PQR Letsupgrade'
```

```
name.casefold()
```

```
      'pqr letsupgrade'
```

```
name.title()
```

```
      'Pqr Letsupgrade'
```

Question 2:

▾ Try 5 different functions of the list object in python.

```python
lst = [2,1,3,4,"mno","abc"]
```

```python
lst
```

```
[2, 1, 3, 4, 'mno', 'abc']
```

```python
lst[3]
```

```
4
```

```python
lst.count(42)
```

```
0
```

```python
lst.append(5)
```

```python
lst
```

```
[2, 1, 3, 4, 'mno', 'abc', 5]
```

```python
lst.index("abc")
```

```
5
```

```python
lst.remove("abc")
```

```python
lst
```

```
[2, 1, 3, 4, 'mno', 5]
```

Question 3

▾ Experiment with atleast 5 default functions of dit

```python
dit = {"key":"rabbit", "key1":4, "key2":"lion", "key3" :9}
```

```python
dit
```

```
{'key': 'rabbit', 'key1': 4, 'key2': 'lion', 'key3': 9}
```

```
dit.popitem()

    ('key3', 9)

dit

    {'key': 'rabbit', 'key1': 4, 'key2': 'lion', 2: None}

dit.setdefault(2)

dit

    {'key': 'rabbit', 'key1': 4, 'key2': 'lion', 2: None}

dit.get("4")

dit

    {'key': 'rabbit', 'key1': 4, 'key2': 'lion', 2: None}

dit.values()

    dict_values(['rabbit', 4, 'lion', None])

dit.fromkeys("rabbit")

    {'r': None, 'a': None, 'b': None, 'i': None, 't': None}
```

Thank you