

PYTHON TASK

1. How do you create an empty list in Python?

→ `jessy= []`

2. What is the difference between `append ()` and `extend ()`?

- `Append()` is used to add one value at a time

→ Ex:

```
V = [1,3,4,5,6]
```

```
V.append(2)
```

```
print(V)
```

- `Extend()` is used to add more values at a time

→ Ex:

```
Jessy=[3,4,5,6]
```

```
Jessy.extend(7,8,9)
```

```
print(Jessy)
```

3. How can you access the third element in a list?

- By using indexing method, we can access the third element in a list.

→ Ex:

```
J= [1,2,3,6,8]
```

```
Print(j[2])
```

4. How do you update the second element of a list?

- By using insert method

→ Ex:

```
J=[9,7,4,5,1]
```

```
J.insert(5,3)
```

```
print(j)
```

- By using indexing method

→ Ex:

```
J=[1,2,3,5,7]
```

```
J[1]=3
```

```
Print(J)
```

5. What does the `len()` function do when used on a list?

→ `len()` is used to find the length of list.

```
def j():
```

```
    a="Cricketer Jessy"
```

```
    return(len(a))
```

```
print(j())
```

6. How do you remove an item from a list by value?

- By using remove method an item from list by value

➔ Ex:

```
j=[1,2,3,4,5,69]
j.remove(69)
print(j)
```

7. How do you remove an item from a list by index?

- By using remove an item from a list by index

➔ Ex:

```
j=[1,2,3,4,5,69]
j.pop(5)
print(j)
```