In [1]:
```python
#While loop

i = 4
while i<= 8 :
    print(i)
    i = i + 2
```

```
4
6
8
```

In [15]:
```python
i = 1
while i< 10 :
    print(i)
    i = i+1
```

```
1
2
3
4
5
6
7
8
9
10
```

In [17]:
```python
i = 5
while i <= 202 :
    print(i)
    i = i*2
```

```
5
10
20
40
80
160
```

In [18]:
```python
# For loop

#srting

company = "Amazon"
for x in company :
    print(x)
```

```
A
m
a
z
o
n
```

In [31]:
```python
name = 'Vaishnavi'
for x in name :
    print(x)
```

V
a
i
s
h
n
a
v
i

In [19]:
```python
#list

colours = ['Blue' , 'Green', 'Yellow', 'Red' , 'Purple', 'Lilac']
for x in colours :
    print(x)
```

Blue
Green
Yellow
Red
Purple
Lilac

In [32]:
```python
names = ['vaishu', 'aishu', 'yashu']
for x in names :
    print(x)
```

vaishu
aishu
yashu

In [20]:
```python
# Tuple
colours = ('Blue' , 'Green', 'Yellow', 'Red' , 'Purple', 'Lilac')
for x in colours :
    print(x)
```

Blue
Green
Yellow
Red
Purple
Lilac

In [33]:
```python
names = ('vaishu', 'aishu', 'yashu')
for x in names :
    print(x)
```

vaishu
aishu
yashu

In [22]:
```python
#range

for x in range(1,10):
    print(x)
```

```
1
2
3
4
5
6
7
8
9
```

In [35]:
```python
for x in range (2,5):
    print (x)
```

```
2
3
4
```

In [30]:
```python
#dictionary

details = {'vaishu': 28 , "aishu" : 29 , 'yashu' : 21}
for x,y in details.items() :
    print (f"{x}'s age is {y}")
```

```
vaishu's age is 28
aishu's age is 29
yashu's age is 21
```

In [37]:
```python
qualification = {'vaishu':'Mtech', 'Aishu':'Btech', 'Yashu':'MBBS'}
for x,y in qualification.items():
    print(f"{x}'s qualification is {y}")
```

```
vaishu's qualification is Mtech
Aishu's qualification is Btech
Yashu's qualification is MBBS
```

In [38]:
```python
qualification = {'vaishu':'Mtech', 'Aishu':'Btech', 'Yashu':'MBBS'}
for x,y in qualification.items():
    print(f"{x} done {y}")
```

```
vaishu done Mtech
Aishu done Btech
Yashu done MBBS
```

In [ ]: