Iterative statement (For, While)

```python
[2]: print(1)
     print(2)
     print(3)
     print(4)
     print(10)
```

```
1
2
3
4
10
```

```python
[4]: a=range(1,10)
```

```python
[6]: for i in range(1,11):
         print(i)
```

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

```python
[8]: for i in "chandrashekar":
         print(i)
```

```
c
h
a
n
d
r
a
s
h
e
k
a
r
```

```python
[10]: students = ["Ashish","Devadatta","Rohit","Chandru"]

      for i in students:
          print(i)
```

```
Ashish
Devadatta
Rohit
Chandru
```

```python
[14]: for i in range(1,101):
          print(i,end=" ")
```

```
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55
56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
```

```python
[16]: for i in range(1,11):
          print(i,i*5)
```

```
1 5
2 10
3 15
4 20
5 25
6 30
7 35
8 40
9 45
10 50
```

```python
[20]: students = ["Ashish","Devadatta","Rohit","Chandru"]

      for i in students:
          print(i.capitalize())
```

```
Ashish
Devadatta
Rohit
Chandru
```

```python
[24]: students = ["Ashish","Devadatta","Rohit","Chandru"]

      for i in students:
          if i=="Rohit":
              print(i.replace(i,"Rohit Saroj").upper())
          print(i)
```

```
Ashish
Devadatta
ROHIT SAROJ
Rohit
Chandru
```

```python
[34]: students = ["Ashish","Devadatta","Rohit","Chandru"]
      student_new = []
      for i in students:
          student_new.append(i.upper())
```

```python
[36]: print(student_new)
```

```
['ASHISH', 'DEVADATTA', 'ROHIT', 'CHANDRU']
```

[42]:
```python
for i in range(1,101):
    print(i, "chandru",end=" ")
```

```
1 chandru 2 chandru 3 chandru 4 chandru 5 chandru 6 chandru 7 chandru 8 chandru 9 chandru 10 chandru 11 chandru 12 chandru 13 chandru 14 chandru 15 chandru
16 chandru 17 chandru 18 chandru 19 chandru 20 chandru 21 chandru 22 chandru 23 chandru 24 chandru 25 chandru 26 chandru 27 chandru 28 chandru 29 chandru 3
0 chandru 31 chandru 32 chandru 33 chandru 34 chandru 35 chandru 36 chandru 37 chandru 38 chandru 39 chandru 40 chandru 41 chandru 42 chandru 43 chandru 44
chandru 45 chandru 46 chandru 47 chandru 48 chandru 49 chandru 50 chandru 51 chandru 52 chandru 53 chandru 54 chandru 55 chandru 56 chandru 57 chandru 58 c
handru 59 chandru 60 chandru 61 chandru 62 chandru 63 chandru 64 chandru 65 chandru 66 chandru 67 chandru 68 chandru 69 chandru 70 chandru 71 chandru 72 ch
andru 73 chandru 74 chandru 75 chandru 76 chandru 77 chandru 78 chandru 79 chandru 80 chandru 81 chandru 82 chandru 83 chandru 84 chandru 85 chandru 86 cha
ndru 87 chandru 88 chandru 89 chandru 90 chandru 91 chandru 92 chandru 93 chandru 94 chandru 95 chandru 96 chandru 97 chandru 98 chandru 99 chandru 100 cha
ndru
```

[58]:
```python
tbl = int(input("enter table number"))

for i in range(1,11):
    print(tbl,"*",i,"=",tbl*i)
```

```
enter table number 45
45 * 1 = 45
45 * 2 = 90
45 * 3 = 135
45 * 4 = 180
45 * 5 = 225
45 * 6 = 270
45 * 7 = 315
45 * 8 = 360
45 * 9 = 405
45 * 10 = 450
```

[74]:
```python
#nested loop
for i in range(1,4):
    for j in range(1,6):
        print("*", end=" ")
    print(i)
```

```
* * * * * 1
* * * * * 2
* * * * * 3
```

[76]:
```python
#WHILE
```

[78]:
```python
for i in range(1,11):
    print(i)
```

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

[82]:
```python
i = 1

while i<10:
    print(i)
    i=i+1
```

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

[84]:
```python
# jumping statements (Break, continue and pass)
```

[88]:
```python
for i in range(1,11):
    if i==5:
        break
    print(i)
```

```
1
2
3
4
```

[90]:
```python
for i in range(1,11):
    if i==5:
        continue
    print(i)
```

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

[100]:
```python
for i in range(1,11):
    pass
```

[ ]: