Assignment No.6

#WAP to print following patterns:

#a

```
for i in range(1,6):
    for j in range(1,6):
        if(i==1 or j==1 or i==5 or j==5):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

#b

```
k=1
for i in range(0, 4):
    for j in range(0, i+1):
        print(k, end=" ")
        k = k + 1
    print()
```

#d.

```
for i in range(1,6):
    for j in range(1,i+1):
        print(chr(64+j),end=' ')
    print()
```

#e.

```
for i in range(0,6):
    for j in range(0,6-i-1):
        print(" ",end=' ')
    for j in range(0,i+1):
        print("*",end=' ')
```

```python
    for j in range(1,i+1):

        print("*",end=' ')

    print()
```

#f

```python
for i in range(1,5+1):

    for j in range(5-i):

        print(" ", end=" ")

    for j in range(2 * i - 1):

        print(j + 1, end=" ")

    print()
```

#g.

```python
for i in range(1,5+1):

    for j in range(5-i):

        print(" ", end=" ")

    for j in range(2 * i - 1):

        print(chr(64 + j + 1), end=" ")

    print()
```

#c.

```python
for i in range(4):

    print(' '*(4-i),end=' ')

    number=1

    for j in range(i+1):

        print(number,end=' ')

        number=number*(i-j)//(j+1)

    print()
```