

PROGRAMMING FUNDAMENTAL LAB# 9 TASK:

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SECTION: BSCS-1A

QUESTION1: PART(A)

```
num=int(input("enter number "))  
  
for i in range(1,num+1):  
  
    print("*"*i)
```

OUTPUT:

```
enter number 6  
*  
**  
***  
****  
*****  
*****
```

PART(B):

```
num=int(input("enter rows "))  
  
for i in range(1,num+1):  
  
    print(" "*(num-i)+"*"*i)
```

OUTPUT:

```
enter rows8
  *
 **
***
****
*****
*****
*****
*****
*****
```

PART(C):

```
num=int(input("enter rows "))
for i in range(num,0,-1):
    print("*"*i+" "(num-i))
```

OUTPUT:

```
enter rows 7
*****
*****
*****
****
***
**
*
```

PART(D):

```
num=int(input("enter rows"))
for i in range(num,0,-1):
    print(" "(num-i)+"**"*i)
```

OUTPUT:

```
enter rows8
*****
*****
*****
*****
****
***
**
*
```

QUESTION(2): PART(A)

Enter symbol “#” or “*” or “@” what ever you want program run according to it; I have used “*” or “#” both symbol:

```
num=int(input("enter rows "))
for i in range(1,num+1):
    print("*"*i)
for i in range(num-1,0,-1):
    print("*"*i+" "(num-i))
```

OUTPUT:

enter rows 7

```
*  
**  
***  
****  
*****  
*****  
*****  
*****  
*****  
*****  
****  
***  
**  
*
```

PART(B):

```
num=int(input("enter rows "))  
  
for i in range(1,num+1):  
    print("#"*i)  
  
for i in range(num-1,0,-1):  
    print("#"*i+" "*(num-i))
```

OUTPUT:

```
enter symbol 4  
#  
##  
###  
####  
###  
##  
#
```

QUESTION3:

```
y=1

for i in range(3):

    x=str(input("enter the name of student"+str(y)+':'))

    y+=1

    for j in range(1):

        a=int(input("enter score 1:"))

        b=int(input("enter score 2:"))

        c=int(input("enter score 3:"))

        avg=(a+b+c)/3

        print("Name",x)

        print("Average=",round(avg,2))
```

OUTPUT:

```
enter the name of student1:ali
enter score 1:78
enter score 2:90
enter score 3:91
Name ali
Average= 86.33
enter the name of student2:hamza
enter score 1:70
enter score 2:75
enter score 3:93
Name hamza
Average= 79.33
enter the name of student3:zain
enter score 1:55
enter score 2:76
enter score 3:80
Name zain
Average= 70.33
```

