AMMAR RAZA

21P-8004

Question1 (1):

```
n=10
for i in range(1,n+1):
    for k in range(1,i+1):
        print("*",end=")
    print()
```

output(1):

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

Question1(2):

```
for i in range(11,0,-1):
    for k in range(i):
        print("*",end=")
    print()
```

Output(2):

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

Question1(3):

```
m=10
for i in range(0,m):
    for k in range(i):
        print(" ",end=')
    for j in range (min,i,-1):
        print("*",end=')
    print()
```

Output(3):

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

Question1(4):

```
m=10
for i in range(0,m):
    for k in range(min,i,-1):
        print(" ",end=")
    for j in range (i):
        print("*",end=")
    print()
```

Output(4):

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

Question2:

```
n=input("user enter symbol : ")
s=5
for i in range(1,s+1):
    for k in range(1,i+1):
        print(n,end=")
    print()
for i in range(4,0,-1):
    for k in range(i):
```

```
    print(n,end='')
  print()
```

Output1:

```
user enter symbol : *
*
**
***
****
*****
****
***
**
*
```

Output2:

```
user enter symbol : #
#
##
###
####
#####
####
###
##
#
```

Question 3:

```python
counter=1

for b in range(0,1):

    while b<3:

        a=input("Enter the name of student  "+str(counter)+":")

        x=int(input("Enter score 1:  "))

        y=int(input("Enter score 2:  "))

        z=int(input("Enter score 3:  "))

        c=x+y+z

        avg=c/3

        b+=1

        counter+=1

        print("Name:  ",a)

        avg = "{:.2f}".format(avg)


        print("Average:  ",avg)
```

Output:

```
Enter the name of student  1:Ali
Enter score 1:  78
Enter score 2:  90
Enter score 3:  91
Name:   Ali
Average:   86.33
Enter the name of student  2:Hamza
Enter score 1:  70
Enter score 2:  75
Enter score 3:  93
Name:   Hamza
Average:   79.33
Enter the name of student  3:Zain
Enter score 1:  55
Enter score 2:  76
Enter score 3:  80
Name:   Zain
Average:   70.33
```