

```
# To print the multiplication table using loop
```

```
n=int(input('enter the number'))  
for i in range(20):  
    print(i,'*',n,'=',i*n)
```

```
enter the number2
```

```
0 * 2 = 0  
1 * 2 = 2  
2 * 2 = 4  
3 * 2 = 6  
4 * 2 = 8  
5 * 2 = 10  
6 * 2 = 12  
7 * 2 = 14  
8 * 2 = 16  
9 * 2 = 18  
10 * 2 = 20  
11 * 2 = 22  
12 * 2 = 24  
13 * 2 = 26  
14 * 2 = 28  
15 * 2 = 30  
16 * 2 = 32  
17 * 2 = 34  
18 * 2 = 36  
19 * 2 = 38
```

```
#Grade system
```

```
COMPUTER=int(input('enter Computer marks:'))  
PHYSICS=int(input('enter Physics marks:'))  
CHEMISTRY=int(input('enter Chemistry marks:'))  
MATHS=int(input('enter Maths marks:'))  
tot=COMPUTER+PHYSICS+CHEMISTRY+MATHS  
avg=tot/4  
if(avg >=90 and avg<=100):  
    print('distinction')  
elif (avg>=80 and avg<90):  
    print('A Grade')  
elif (avg>=70 and avg<80):  
    print('B Grade')  
elif (avg>=60 and avg<70):  
    print('C Grade')  
elif (avg>=50 and avg<60):  
    print('D Grade')  
else:  
    print('E Grade')
```

```
enter Computer marks:95
enter Physics marks:90
enter Chemistry marks:98
enter Maths marks:99
distinction
```

DAY-12 (02-07-2023)

```
#Nested for loop
s=['Big','tasty']
f=['apple','pine apple']
for i in s:
    for j in f:
        print(i,j)
```

```
Big apple
Big pine apple
tasty apple
tasty pine apple
```

#write a program to print the following pattern

```
for i in range(7):
    for j in range(7):
        print('#',end=' ')
    print()
```

```
# # # # # # #
# # # # # # #
# # # # # # #
# # # # # # #
# # # # # # #
# # # # # # #
# # # # # # #
```

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

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

```
for i in range(1,6):
    print()
```