

#

## #ASSIGNMENT-3

```
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#Date : 23\04\2021
```

In [1]:

```
#1. accepting the nos continuously as long as the number is positive and print the sum  
sum=0  
while True:  
    n=int(input('Enter any number: '))  
    sum += n  
    if n<0:  
        break  
    print('Sum of all the above entered positive values: ',sum)
```

```
Enter any number: 6  
Sum of all the above entered positive values: 6  
Enter any number: 7  
Sum of all the above entered positive values: 13  
Enter any number: 5  
Sum of all the above entered positive values: 18  
Enter any number: -5
```

In [2]:

```
#2. 16th multiplication table  
n=16  
for i in range(1,13):  
    print(i, ' * ', n, ' = ', n*i)
```

```
1 * 16 = 16  
2 * 16 = 32  
3 * 16 = 48  
4 * 16 = 64  
5 * 16 = 80  
6 * 16 = 96  
7 * 16 = 112  
8 * 16 = 128  
9 * 16 = 144  
10 * 16 = 160  
11 * 16 = 176  
12 * 16 = 192
```

In [4]:

```
#3. to count the number of even and odd numbers in a series
even=0
odd=0
num=[1,2,3,4,5,6,7,8,9,10,11]
for a in num:
    if (a%2==0):
        even += 1
    else:
        odd += 1
print('Total number of even values in the given series: ',even)
print('Total number of odd values in the given series: ',odd)
```

Total number of even values in the given series: 5

Total number of odd values in the given series: 6

In [8]:

```
#4. to accept a string and calculate no. of digits and Letters
digits=0
letters=0
a=input('Enter a string: ')
for b in a:
    if b.isdigit():
        digits += 1
    elif b.isalpha():
        letters += 1
print('Total number of digits in the given string: ',digits)
print('Total number of letters in the given string: ',letters)
```

Enter a string: bygvfcu8816bguhc447bsuhhfi41

Total number of digits in the given string: 9

Total number of letters in the given string: 20