Submission 3

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Q1. Input an integer, and print the multiplication table for the number.

```
x=int(input("Enter the number "))
```

```
Enter the number 139
```

```
for i in range (1,11):
    mul=x*i
    print("{} x {} = {}".format(x,i,mul))
```

```
139 x 1 = 139
139 x 2 = 278
139 x 3 = 417
139 x 4 = 556
139 x 5 = 695
139 x 6 = 834
139 x 7 = 973
139 x 8 = 1112
139 x 9 = 1251
139 x 10 = 1390
```

Q2. Input 10 characters using while loop and count how many vowels are there.

```
n=10
while n:
    c= (input("Enter character : "))
    if c=='a' or c=='e' or c=='i' or c=='o' or c=='u' or c=='A' or
c=='E' or c=='I' or c=='O' or c=='U':
        print("It is a vowel")
    else:
        print("It is Not a vowel")
    n-=1
```

```
Enter character : w
It is Not a vowel
Enter character : e
It is a vowel
Enter character : r
It is Not a vowel
Enter character : t
It is Not a vowel
Enter character : y
It is Not a vowel
Enter character : u
It is a vowel
```

```
Enter character : i
It is a vowel
Enter character : o
It is a vowel
Enter character : p
It is Not a vowel
Enter character : ;
It is Not a vowel
```

Q3. Find sum of numbers from 1 to 100 which are divisible by either 2 or3. (Hint : use while loop + compound if statement -"or")

```
n=100
sum=0
while n:
    if n%2==0 or n%3==0:
        sum+=n
    n-=1
print(sum)
```

```
3417
```

Q4.Input a float number which will be the side of a square, prompt user to enter a positive value if user inputs a negative value. Finally calculate the area of the square. (Hint : use "continue")

```
x= float(input("Enter side of square : "))
while x:
    if(x>0):
        print(x*x)
        break
    else:
        print("Enter positive value")
        x= float(input("Enter side of square : "))
        continue
```

```
Enter side of square : -30
Enter positive value
Enter side of square : -21
Enter positive value
Enter side of square : 11.44
130.87359999999998
```