

```
In [1]: for i in range(6):
        print(i,end=' ')
```

0 1 2 3 4 5

Q2). WAP ask the user take 5 random numbers between 10 to 100 /n and print the square of the random numbers

- how many times you need to apply the loop : 5
- Every time random number should come
- get the square

```
In [4]: import random
        for i in range(5):
            i=random.randint(10,100)
            print(f"number:{i} and square:{i*i}")
```

number:24 and square:576
 number:50 and square:2500
 number:13 and square:169
 number:39 and square:1521
 number:89 and square:7921

Q3). WAP ask the user take 5 random numbers between 10 to 100 /n and print the square of the random numbers Create a function on reuse code lines call that function inside the for loop

```
In [11]: import random
        def square():
            num=random.randint(1,100)
            squ=num*num
            return(f"the number is: {num} and their square is: {squ}")
        for i in range(5):
            ans=square()
            print(ans)
```

the number is: 91 and their square is: 8281
 the number is: 10 and their square is: 100
 the number is: 55 and their square is: 3025
 the number is: 8 and their square is: 64
 the number is: 44 and their square is: 1936

Q4).wap ask the user enter a value from keyboard 5 times /print that value is even or odd

```
In [12]: for i in range(5):
        i=eval(input("Enter the number:"))
        if i%2==0:
            print(f"the number is even.")
```

the number is even.
the number is odd.
the number is even.
the number is odd.
the number is odd.

6)Wap to create 9th table

```
In [14]: for i in range(1,11):  
         print(f"9*{i}={9*i}")
```

9*1=9
9*2=18
9*3=27
9*4=36
9*5=45
9*6=54
9*7=63
9*8=72
9*9=81
9*10=90

7Q) WAP to print the divisors of number 50

```
In [23]: for i in range(1,51):  
         if 50%i==0:  
             print(f"the divisor is:{i}")  
  
         num=eval(input("Enter the number:"))  
         for i in range(1,num+1):  
             if num%i==0:  
                 print(f"the divisor is:{i}")
```

the divisor is:1
the divisor is:2
the divisor is:5
the divisor is:10
the divisor is:25
the divisor is:50
the divisor is:1
the divisor is:2
the divisor is:4
the divisor is:5
the divisor is:8
the divisor is:10
the divisor is:20
the divisor is:40

Q8) WAP print the sum of first 10 natural numbers

```
In [18]: count=0  
         for i in range(1,11):
```

Q9) How many divisors are available for 50

```
In [29]: count=0
for i in range(1,51):
    if 50%i==0:
        count=count+1
print(f"the divisor is:50and total divisor is:{count}")
```

the divisor is:50and total divisor is:6

10Q) Ask the user enter one number from keyboard and ask the user get the second number randomly from 1 to 10 if num1 == num2 then print you won otherwise print you lost.Iterate these lines 3 times

```
In [36]: import random
num1=eval(input("Enter the number:"))
num2=random.randint(1,10)
for i in range(3):
    if num1==num2:
        print(f"you win the match.")
        break
    else:
        print(f'you loose the match.')
```

you loose the match.
you loose the match.
you loose the match.

```
In [35]: import random

for i in range(3):
    num1=eval(input("Enter the number:"))
    num2=random.randint(1,10)
    if num1==num2:
        print(f"you win the match.")
        break
    else:
        print(f'you loose the match.')
```

you loose the match.
you loose the match.
you loose the match.

- whenever fail print the number of chances left/
python_assignment7

case-3: Suppose your all chances are over

- print your account locked try after 24hours

```
In [ ]: import random
import time
count=0
for i in range(5):
    num1=eval(input("Enter the number:"))
    num2=random.randint(1,10)
    if num1==num2:
        print(f"you win the match.")
        break
    else:
        print(f'you loose the match.')
        count=count+1
        print(f"Alert!, {5-count} is only left.")
    if count==5:
        print(f"your account is blocked for 24 hours")
        time.sleep(284)
        print(f"you can play match.")
```

```
you loose the match.
Alert!, 4 is only left.
you loose the match.
Alert!, 3 is only left.
you loose the match.
Alert!, 2 is only left.
you loose the match.
Alert!, 1 is only left.
you loose the match.
Alert!, 0 is only left.
your account is blocked for 24 hours
```

In []: