

Program of loops

In [12]: *# write a program to print first n even natural no.*

```
n=int(input("Enter a no.:"))
count=0
i=1
while count!=n:
    if i%2==0:
        print(i)
        count+=1
    if count==n:
        break
    i+=1
```

Enter a no.:12

2
4
6
8
10
12
14
16
18
20
22
24

In [14]: *# write a program to print first n even natural no. in reverse order*

```
n=int(input("Enter a no.:"))
count=0
i=n*2
while i>1:
    if i%2==0:
        print(i)
        count+=1
    i-=1
```

Enter a no.:10

20
18
16
14
12
10
8
6
4
2

In [7]: *# write a program to print cubes of first n natural no.*

```
n=int(input("Enter a no.:"))
for i in range(1,n+1):
    print("Cube of",i,"=",i**3)
```

```
Enter a no.:15
Cube of 1 = 1
Cube of 2 = 8
Cube of 3 = 27
Cube of 4 = 64
Cube of 5 = 125
Cube of 6 = 216
Cube of 7 = 343
Cube of 8 = 512
Cube of 9 = 729
Cube of 10 = 1000
Cube of 11 = 1331
Cube of 12 = 1728
Cube of 13 = 2197
Cube of 14 = 2744
Cube of 15 = 3375
```

In [23]: *# write a program to print only vowels of a given string*

```
s=input("Enter a Text:")
v="aeiou"
for i in s:
    if i in v:
        print(i)
    elif i in v.upper():
        print(i)
```

```
Enter a Text:Nikhil Ik
i
i
I
```

In [5]: *# write a program to print unique digits of a given integer*

```
n=input("Enter a No.:")
l=[]
l.append(n[0])
print(l[0])
for i in n:
    if i in l:
        continue
    else:
        l.append(i)
print(i)
```

Enter a No.:122465124123

1
2
4
6
5
3

In [21]: *# write a program to print the count of spaces of a given string*

```
s=input("Enter a Text:")
print("' ' is :",s.count(" "))
```

Enter a Text:nikhil jhjf dshdie hvuidh
' ' is : 5

In []: