

```
1 # polidrome program
2 no=int(input("Enter any number:"))
3 cpy=no
4 rev=0
5 while no!=0:
6
7     r=no % 10;
8     rev=rev*10+r
9
10    no=int(no/10)
11 if cpy==rev:
12     print("Given number is palindrome")
13 else:
14     print("Not palindrome")
```

```
1 # reverse number program
2 no=int(input("Enter any number:"))
3
4 rev=0
5 while no!=0:
6
7     r=no % 10;
8     rev=rev*10+r
9
10    no=int(no/10)
11 print(rev)
```

Satya sir

```
1 # factor number program
2 no=int(input("Enter any number:"))
3
4 for i in range(1,no+1):
5
6     if no%i==0:
7
8         print(i)
```

Satya sir

```
1 # factorial number program
2 no=int(input("Enter any number:"))
3 fact=1
4 for i in range(1,no+1):
5
6     fact=fact*i
7     print(fact)
```

Satya sir

```
1 #prime number|
2 no=int(input("Enter any number:"))
3 count=0
4 for i in range(1,no+1):
5     if no%i==0:
6
7         count+=1
8
9     if count==2:
10         print("Number is prime")
11     else:
12         print("Number is not prime")
13
```

```
1 #even and odd program|
2
3 no=int(input("Enter any number:"))
4 if no%2==0:
5     print("even")
6 else:
7     print("odd")
```

Satya sir

```
1 #armstrong number
2 no=int(input("Enter any number:"))
3 cpy=no
4 sum=0
5 while no!=0:
6
7     r=no % 10;
8     sum=sum+(r*r*r)
9
10    no=int(no/10)
11 if cpy==sum:
12     print("Given number is Armstrong")
13 else:
14     print("Not Armstrong")
15 |
```

```
1 #print first and last digit
2 no=int(input("Enter any number:"))
3 last=no % 10
4 while no!=0:
5
6     r=no % 10;
7
8     no=int(no/10)
9
10 print(r,last)
```

Satya Sir


```
1 #print greatest number|
2 a=int(input("Enter first number:"))
3 b=int(input("Enter second number:"))
4 c=int(input("Enter third number:"))
5 if a>b and a>c:
6     print(a," is greatest")
7 if b>a and b>c:
8     print(b," is greatest")
9 if c>a and c>b:
10    print(c," is greatest")
```

Satya Sir

```
1 no=int(input("Enter any number:"))
2 for i in range(1,11):
3
4     table=no*i
5     print(table)
```

Satya sir

```
1 #print table |
2
3 no=int(input("Enter any number:"))
4 for i in range(1,11):
5
6     table=no*i
7     print(table)
```

Satya sir

```
1 #print A to Z alphabet
2 for i in range(65,91):
3
4     print(chr(i),end=" ")
```

Satya sir

```
1 #print prime number 1 to n value
2 no=int(input("Enter any number:"))
3 for j in range(1,no+1):
4
5     count=0
6
7     for i in range(1,j+1):
8
9         if j%i==0:
10
11             count=count+1
12
13 if count==2:
14     print(i)
```

Satya sir



*

/

^

%

\$

```
1 #profit and loss program|
2
3 cost_price=float(input("Enter cost price:"))
4 selling_price=float(input("Enter selling
price:"))
5 if cost_price>selling_price:
6     print("Loss of Rs.",cost_price-
selling_price)
7 else:
8     print("Profit of Rs.",selling_price-
cost_price)
9
```

```
2 str=input("Enter any string:")
3 #strint count program
4 alpha=0
5 digit=0
6 special=0
7 for i in str:
8     if (i>='A' and i<='Z')or (i>='a' and i<='z'):
9
10    alpha+=1
11
12    elif i>='0' and i<='9':
13
14    digit+=1
15    else:
16
17    special+=1
18 |
19 print("Total Alphabet={} Digit={} and
    Special Symbol={}".format(alpha,digit,
    special))
20
```

```
1 #1 to 100 number print
2 for i in range(1,100+1):
3     print(i)
4
```

Satya sir


```
1
2 for i in range(1,6):
3     for j in range(1,6):
4         if i>=j:
5             print("{} ".format(i),end="")
6         else:
7             print(" ",end="")
8     print("")
9
10 1
11 22
12 333
13 4444|
```

```
1
2 for i in range(1,6):
3     for j in range(1,6):
4         if i<=j:
5             print("{} ".format(i),end="")
6         else:
7             print(" ",end="")
8     print("")
9
10 1111
11  333
12   22
13    1|
```

Satya sir

```
1 for i in range(1,6):
2     for j in range(1,6):
3         if (i+j)<=6:
4             print("{} ".format(chr(i+64)),end="")
5         else:
6             print(" ",end="")
7     print("")
8 AAAAA
9 BBBB
10 CCC
11 DD
12 E|
13
```

```
1 for i in range(1,6):
2     for j in range(1,6):
3         if i>=j:
4             print("{} ".format(chr(i+64)),end="")
5         else:
6             print(" ",end="")
7     print("")
8
9     A
10    BB
11   CCC
12  DDDD
13 EEEEE|
```

```
1 for i in range(1,6):
2     for j in range(1,6):
3         if i>=j:
4             print("* ",end="")
5         else:
6             print(" ",end="")
7     print("")
8
9     *
10    * *
11   * * *
12  * * * *|
```

Satya sir

```

1  for i in range(1,6):
2      for j in range(1,6):
3          if (i+j)>=6:
4              print("* ",end="")
5          else:
6              print(" ",end="")
7      print("")
8      *
9      *
10     * * *
11    * * * *
12   * * * * *
13  ""

```

Satya sir

```
1 for i in range(1,6):
2     for j in range(1,6):
3         if i<=j:
4             print("* ",end="")
5         else:
6             print(" ",end="")
7     print("")
8
9
```

```
10 * * * * *
11  * * * *
12   * * *
13    * *
14     *
15
```



Satya sir

```
1
2 for i in range(1,6):
3     for j in range(1,6):
4         if (i+j)>=6:
5             print("{} ".format(i),end="")
6         else:
7             print(" ",end="")
8     print("")
9
10     1
11     2 2
12     3 3 3
13     4 4 4 4
14     5 5 5 5 5
15
```




```
1
2 #vowel and consonent check|
3 str="aeiouAEIOU"
4 ch=input("Enter any single alphabet:")
5 if ch in str:
6     print("vowel")
7 else:
8     print("Consonant")
9
```

Satya sir

```
1 | ch=input("Enter any single alphabet:")
2 | if ch.isupper():
3 |     print("Uppercase")
4 | else:
5 |     print("Lowercase")
```

Satya sir

```
1 r=float(input("Enter radius of circle:"))
2 #area formula
3 area=3.14*r*r
4 print("Area of Circle:",area)
```

Satya sir

```
1 h=int(input("Enter height of rectangle:"))
2 w=int(input("Enter width of rectangle:"))
3 #area formula
4 area=h*w
5 print("Area of rectangle:",area)
```

Satya sir

```
1 side=float(input("Enter side of Square:"))
2 #area formula
3 area=side*side
4 print("Area of Square:",area)
```

Satya sir

```
1 l=float(input("Enter length of triangle:"))
2 b=float(input("Enter breadth of triangle:"))
3 #area formula
4 area=0.5*l*b
5 print("Area of triangle:",area)
```

Satya sir

```
2 for i in range(1,6):
3     for j in range(1,6):
4         if i>=j:
5             print("* ",end="")
6         else:
7             print(" ",end="")
8     print("")
```

```
1 | i=1
2 | while i<=5:
3 | print(i*" "*i)
4 | i=i+1
```

Satya sir


```
1
2 #concatenation program in
  python
3 name=input(" What is your
  name?")
4 print("Hello"+name)
5 """"Hi""""
```