

## PYTHON

### PROGRAMS FIRST TERM

#### #1. ADDITION OF 2 NUMBERS(NO ENTERED BY USER)X+Y

```
x = int(input("Type a number: "))
y = int(input("Type another number: "))
sum = x + y
print("The sum is: ", sum)
```

#OR

#### #DIRECT ADDITION

```
a=12
b=12
c=a+b
sum=print(c)
# Do programs by changing sign -,*,/.
```

#### #2. SIMPLE INTEREST CALCULATION (NUMBER ENTERED BY USER)P\*R\*T/100

```
p = int(input("Type a number: "))
r = int(input("Type another number: "))
t = int(input("Type another number: "))
si=p*r*t/100
print("si=",si)
```

#### #3. AREA OF CIRCLE(NUMBERS ENTERED BY USER)PIE R SQUARE

```
r = float(input("Enter radius=: "))
area=3.14*r*r
print("The Area of circle is: ", area)
```

#### #4.AREA OF TRIANGLE (NUMBERS ENTERED BY USER)

```
b = int(input("Enter Breath: "))
h = int(input("Enter Height: "))
area=1/2*b*h
print("The Area of triangle is: ", area)
```

#### #5.AREA OF RECTANGLE (NUMBERS ENTERED BY USER)

```
l = int(input("Enter length: "))
b = int(input("Enter Breath: "))
area=l*b
print("The Area of Rectangle is: ", area)
```

#### #6.AREA OF SQAURE (NUMBERS ENTERED BY USER)

```
s =int(input("Enter side=: "))
area=s*s
print("The Area of square is: ", area)
#7.PERIMETER OF RECTANGLE(NUMBERS ENTERED BY USER)
l =int(input("Enter side=: "))
b=int(input("Enter side=: "))
perimeter=l*b
print("The Perimeter of Rectangle is: ", perimeter)
```

```
#8 TO PRINT A BIGGER NUMBER A>B OR B>A USE OF if else
a=int(input("Enter the number"))
b=int(input("enter second number"))
if a>b:
print("HELLO")
else:
print("WELCOME")
```

```
#9 TO PRINT A BIGGER NUMBER A>B OR A=B OR A<B use if elif anf else
a=int(input("Enter the number"))
b=int(input("enter second number"))
if a>b:
print("HELLO")
elif a==b:
print("WELCOME")
else:
print("ALL WELL")
```

```
# 10 TO CHECK WHETHER THE NUMBER IS POSTIVE OR NEGATIVE
a=int(input("Enter the number"))
if a>=0:
print("+ve number")
else:
print("-ve number")
```

```
#11 PRINT 1 TO 10 USING FOR LOOP
for i in range (1,11):
print(i)
```

```
#12 PRINT 1 TO 5 USING WHILE LOOP
a=1
while(a<=5):
```

```
print(a)
```

```
a+=1
```

```
#13 BREAK STATEMENT
```

```
for i in range(5):
```

```
if i == 3:
```

```
break
```

```
print(i)
```

```
#14 CONTINUE STATEMENT
```

```
for i in range(5):
```

```
if i == 3:
```

```
continue
```

```
print(i)
```

```
#15 TABLE OF A NUMBER ENTERED BY USER
```

```
n=int(input("enter the number:"))
```

```
for i in range(1,11):
```

```
result=n*i
```

```
print(n,"*",i,"=",result)
```