

TASK 1

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1) Sum of 5 Subject Marks.

PROGRAM 1:

```
m1 = int(input("Enter mark 1: "))
m2 = int(input("Enter mark 2: "))
m3 = int(input("Enter mark 3: "))
m4 = int(input("Enter mark 4: "))
m5 = int(input("Enter mark 5: "))
print("Sum of the marks is ",m1+m2+m3+m4+m5)
```

PROGRAM 2:

```
m1 = int(input("Enter mark 1: "))
m2 = int(input("Enter mark 2: "))
m3 = int(input("Enter mark 3: "))
m4 = int(input("Enter mark 4: "))
m5 = int(input("Enter mark 5: "))
Total = m1+m2+m3+m4+m5
print("Sum of the marks is ",Total)
```

OUTPUT:

```
Enter mark 1: 90
Enter mark 2: 90
Enter mark 3: 90
Enter mark 4: 90
Enter mark 5: 90
Sum of the marks is 450
```

2) Square and Cube of a Number.

PROGRAM 1:

```
a = int(input("Enter number: "))
print("Square of the number is ", a*a)
print("Cube of the number is ",a*a*a)
```

PROGRAM 2:

```
a = int(input("Enter number: "))  
b = a*a  
c = a*a*a  
print("Square of the number is ",b)  
print("Cube of the number is ",c)
```

OUTPUT:

```
Enter number: 2  
  
Square of the number is 4  
  
Cube of the number is 8
```

3) Find the area of Circle, Rectangle and Triangle.**PROGRAM:**

```
height = float(input("Enter height: "))  
base = float(input("Enter base: "))  
width = float(input("Enter width: "))  
radius = float(input("Enter radius: "))  
  
pi = 3.14  
half = 1/2  
  
print("-----")  
  
area_of_circle = pi * radius * radius  
area_of_rectangle = width * height  
area_of_triangle = half * base * height  
  
print("Area of Circle: ",area_of_circle)  
print("Area of Rectangle: ",area_of_rectangle)  
print("Area of Triangle: ",area_of_triangle)
```

OUTPUT:

```
Enter height: 2.0  
  
Enter base: 2.0  
  
Enter width: 2.0  
  
Enter radius: 20.0
```

Area of Circle: 1256.0

Area of Rectangle: 4.0

Area of Triangle: 2.0

4) Swapping Two Values.

PROGRAM 1:

```
a = 5
```

```
b = 6
```

```
c = a
```

```
a = b
```

```
b = c
```

```
print("Value of a is ",a)
```

```
print("Value of b is ",b)
```

OUTPUT 1:

Value of a is 6

Value of b is 5

PROGRAM 2:

```
a = 30
```

```
b = 20
```

```
a = a+b
```

```
b = a-b
```

```
a = a-b
```

```
print("Value of a is ",a)
```

```
print("Value of b is ",b)
```

OUTPUT 2:

Value of a is 20

Value of b is 30

5) Find Last Digit of a Number.

PROGRAM:

```
n = int(input("Enter number: "))
```

```
last_digit = n%10
```

```
print("The last Digit is ",last_digit)
```

OUTPUT:

Enter number: 123

The last Digit is 3

6) Simple Interest

PROGRAM:

```
principal = float(input("Enter Principal: "))
```

```
rate = float(input("Enter Rate: "))
```

```
time = float(input("Enter Time: "))
```

```
simple_interest = (principal*rate*time)/100
```

```
print("Simple Interest is ",simple_interest)
```

OUTPUT:

Enter Principal: 2000

Enter Rate: 2

Enter Time: 3

Simple Interest is 120.0