```
# Adding Two Number (with predefined variables)
num1 = 10000
num2 = 30000
sum = num1+num2
print("The sum of given two number is", sum)
```

Output

The sum of given two number is 40000

Enter a number here: 6000

Enter another number here: 5000

The sum of the provided two numbers is 11000.0

```
#Add two numbers(with user inputs)
num1 = float(input("Enter a number here:"))
num2 = float(input("Enter another number here:"))
sum = num1 + num2
print("The sum of the provided two numbers is", sum)
```

Output

The sum of given two number is 40000

Enter a number here: 40000

Enter another number here: 60000

The sum of the provided two numbers is 100000.0

Calculate Square Root.py

```
#(Using Exponentiation)
num = 98
#num1 = int(input("Enter a number here:"))
sr = num**(1/2)
print("The Square root of the given number is",sr)
```

Output

The Square root of the given number is 9.899494936611665

Enter a number here: 80000

The Square root of the given number is 282.842712474619

```python
#Using Math Module
import math
num = int(input("Enter a number here:"))
sr = math.sqrt(num)
print("The Square root of the given number is",sr)
```

Output

Calculate the Area of Traingle.py

```python
height = float(input("Enter the height of the triangle:"))
base = float(input("Enter the base of the triangle:"))
area = (0.5)*base*height
print('The area of triangle is',area)
```

Output

Enter the height of the triangle: 12.5

Enter the base of the triangle: 5.5

The area of triangle is 34.375

Swap Two Variables.py

```python
# (using third variable)
x = 1305
y = 1905

temp = x
print ("the value of temp variable is", temp)

x = y
print("the value of x is", x)

y = temp
print ("the value of y is", y)
```

Output

the value of temp variable is 1305

the value of x is 1905

the value of y is 1305

```python
#(without using third variable)
x = 1305
y = 1905
x,y = y,x
print("The value of x is,x")
print("The value of y is,y")
```

Output

The value of x is 1905

The value of y is 1305

Convert Kilometres to Miles.py

```python
km = float (input("Enter your values in kms"))
miles = (0.621371)*km
print (km, "kms in miles will be", miles, "miles")
```

Output

Enter your values in kms 50

50.0 kms in miles will be 31.068550000000002 miles

Is a number is Positive, Negative or zero.py

```python
#Program to check if a number is positive,negative or zero
num = 23
if num > 0:
    print ("It is a positive number")
elif num == 0:
    print ("It is zero")
else:
    print ("It is a negative number")
```

Output

Number 23: It is a positive number

```python
#Program to check if a number is positive,negative or zero
num = -23
if num > 0:
    print ("It is a positive number")
elif num == 0:
    print ("It is zero")
else:
    print ("It is a negative number")
```

Output

Number -23: It is a Negative number

```
#Program to check if a number is positive,negative or zero
num = 0
if num > 0:
    print ("It is a positive number")
elif num == 0:
    print ("It is zero")
else:
    print ("It is a negative number")
```

Output

Number 0: It is zero

Is a number odd or even.py

```
#Is a number odd or even
num = 12
if num % 2 == 0:
    print("It is an even Number")
else:
    print("It is an odd Number")
```

Output

Number 12: It is even Number

```
#Is a number odd or even
num = 21
if num % 2 == 0:
    print("It is an even Number")
else:
    print("It is an odd Number")
```

Output

Number 21: It is odd Number

Check leap year.py

```python
#check leap year
year = int(input("enter a year:"))
if (year % 400 == 0) and (year % 100 == 0):
    print (year, "Is a leap year")
elif (year % 4 == 0) and (year % 100 ! =0):
    print (year, " Is a leap year")
else:
    print(year,"Is not a leap year")
```

Output

enter a year: 1992

1992 Is a leap year

enter a year:1995

1995 Is not a leap year

Find Largest among three numbers.py

```python
#Find Largest among three numbers
num1 = 123
num2 = 456
num3 = 789
if (num1 > num2) and (num1 > num3):
    print (num1, "is the largest number")
elif (num2 > num1) and (num2 > num3):
    print (num2, "is the largest number")
else:
    print(num3, "is the largest number")
```

Output

789 is the largest number

```
#Find Largest among three numbers
num1 = int(input("Enter the 1 number here"))
num2 = int(input("Enter the 2 number here"))
num3 = int(input("Enter the 3 number here"))
if (num1 > num2) and (num1 > num3):
    print (num1, "is the largest number")
elif (num2 > num1) and (num2 > num3):
    print (num2, "is the largest number")
else:
    print(num3, "is the largest number")
```

Output

Enter the 1 number here 233

Enter the 2 number here 855

Enter the 3 number here 15

855 is the largest number

Check Prime Number.py

```
#check Prime Number
num = int(input("Enter a number here: "))
if num ==1:
    print("It is not a prime number")
if num > 1:
    for i in range (2, num):
        if num % i == 0:
            print ("It is not a prime number")
        else:
            print("It is a prime number")
```

Output

Enter a number here: 10

It is not a prime number

It is a prime number

It is a prime number

It is not a prime number

It is a prime number

It is a prime number

It is a prime number

It is a prime number

It is a prime number

```python
#check Prime Number
num = int(input("Enter a number here: "))
if num ==1:
    print("It is not a prime number")
if num > 1:
    for i in range (2, num):
        if num % i == 0:
            print ("It is not a prime number")
        else:
            print("It is a prime number")
            break
    else:
        print("It is a prime number")
```

Output

Enter a number here: 6

It is not a prime number