1. Add, sub, mul, div:

Program-

a=float(input("Enter first number: "))

b=float(input("Enter second number: "))

sum=a+b

print("Sum is: ",sum)

difference=a-b

print("Difference is: ",difference)

multiplication=a\*b

print("Multiplication is: "multiplication)

division=a/b

print("Division is: "division)

1. Simple interest:

Program-

principal = float(input('Enter the principle amount: '))

time = float(input('Enter the time: '))

rate = float(input('Enter the rate: '))

simple\_interest = (principal\*time\*rate)/100

print("Simple interest is:", simple\_interest)

1. Swapping using third variable:

Program-

a=float(input("Enter first number: "))

b=float(input("Enter second number: "))

print("a= ",a)

print("b= ",b)

c=a

a=b

b=c

print("After swap a= ",a)

print("After swap b= ",b)

1. Swapping without using third variable:

Program-

x=int(input("Enter first number: "))

y=int(input("Enter second number: "))

print ("Before swapping: ")

print("Value of x : ", x, " and y : ", y)

x, y = y, x

print ("After swapping: ")

print("Value of x : ", x, " and y : ", y)

1. Gross salary

Program-

6.7. Circumference and area of a circle:

Program-

r=float(input("Enter the radius of the circle: "))

circumference=2\*3.14\*r

print("Circumference of the circle is: ",circumference)

area=3.14\*r\*r

print("Area of the circle is: ",area)

8. Height of user in feet and conversion in inches and cms:

Program-

height=float(input("Enter the height of the person in feet: "))

inches=height\*12

centimeter=inches\*2.54

print("Height in feet: ",height)

print("Height in inches: ",inches)

print("Height in centimeter: ",centimeter)

9. Reverse three numbers:

Program-

number=int(input("Enter the number to reverse it: "))

reverse=0

while(number>0):

a=number%10

reverse=reverse\*10 + a

number=int(number/10)

print("The reverse string is: ",reverse)

10. Temperature from oC to oF

Program-

celsius= float(input("Enter value in celsius: "))

fahrenheit = (celsius \* 1.8) + 32

print("Temperature in fahrenheit is: ",fahrenheit)