```
17 Write a python program to design simple calculator for
    operators + (addition), - (subtraction), * (multiplication),
 (division), % (modulus), * * (exponent). // (Hoor division)
   num 1 = int (input ('Enter First number:'))
   num 2 = int (in put ('Enter Second number'))
   add = num 1+ num 2
   diff num1 num2
   mul = num1 numz
   div = nnm1/num2
  floor - dir = nzum1//nzum2
  priva = num 1 1 numz
  medules = nun 1 7, nun 2
   print ('Sum of inum1, and', num2) is: , add)
  print ( pifference of , nums, and, nums, is: diff
  print (moduct of's nums, and', nums, isi' mul)
  print (Division of , nums 'and', nums, is: div)
  print[ 'Floor Division of ; num1; and', num2, is; floor-dw
  print ( Exponent of , num1, and , num 2, isi's
  Print ( Modulus of , nums, and, numz, is: , modulus)
2) Write
            a python pregram to calculate simple
  interest-
  P = 1000
  R = 1
  T=2
  # simple interest
  SI = (P" K"T)/100
  print ("simple interest is", 51)
   output
  Simple interest is 20.0
           a python programme to calculate area of.
3) Write
   civcle
   PI =3 14
   i=flood (input (Enter the radius of the circles))
   area - PI+ ++
  print ("Area of the circle is : %. 25 " po wrea)
```

calculate over ort a 4) Write a python program to -triangle. a=5 S=(a+6+c)/2 area = (s*(s-a)*(s-b)*(s-c))**0.5 print ('The area of the triangle is % 0.25 % area) output The accord triangle is 14.70 temperature in celcous python program 5) Write a Fatrenheit to Celcina =37.5 fahrenheit = (celsius +1-8)+32 print (% - 18 degree Celsius is equal to 900. If olegree Fahrenheit' % (celsius, fahrenheit) ontput celsins is equal to 99.5 degree 375 degree 6> Write a pythion program to calculate area of rectangle width = float (input (Enter the width of a Rectange: 1) height = float (input (Enter the height of a Rectangle: ")) Area = width height Perimeter = 2 (width+height) print ("In Area of a Rectangle is: 1/0.25 Yo Area) Print ("Perimeter of Rectangle is: % 24" y. perimeter) *

```
7) Write a pyrhon program to calculate perimeter
   of a square
   Print ("Enter 'x' for enit.");
  side = input ("Enter side length of square: ");
   if side =='x'.
      exit():
   else.
     Slength = int (side);
     perimeter = 4 slength
     Print ("In poumeter of square: ", perimeter);
     enter side length of square is 5
    perimeter of square is 25
8) Write a python program to scalculate circumference
   of a circle
   print ("Enter 'x' for enit.");
   rad = input ("Inter radius of circle:");
   if rad == 1x1:
      exit();
   else:
     radius - float (rad);
     circumference = 2 * 3.10 * nadius;
     print ("In Encumperance of Circle = ", circumforence);
 9) Write a python program to swap two numbers.
    X=5
    Y= 10
    temp=x
    XZY
   4-temp
   print ( The value of x after swapping: [ s ], format (x))
   print ( The value of Y after swapping: { !! format (Y))
   output
   The value of x after empping is 10
   The value of y after swapping is 5
```