Assignment - I

1) Write a program to design simple calculator for the opeators

```
a = int (input ('enter val 1:'))
b = int(input ('enter val 2:'))
op= input ('enter opeator')
if op == '+':
  Print (a+b)
elif if op == '-':
   Print(a-b)
elif op == '*':
Print (a*b)
elif op == '/':
Print (a/b)
elif op == '%':
 Print (a%b)
elif op == '**':
 Printf (a**b)
elif op == '//':
Paint (a//b)
else:
   Paint ('enter valid opeator')
```

2) write a python program to calculate simple interest

```
P = int (input ('enter principle:'))
t = int ( input ('enter time :'))
```

r = float (input ('enter rate :'))
si = (p * t * r) / 100)
print ('Simple interest :', si)

3) write a python program to calculate area of circle.

r = int (input ('enter radius :'))
pi = 3.14
Print ('Simple # Area of circle :', (pi * r * * 2))

4) write a python program to calculate area of triangle.

b = int (Input ('enter base :'))
h = int (input ('enter height :'))
Print ('Area of triangle', 0.5 * b * h)

5) write a python program to temperature in celsius to fahrenheit

c = int (input ('enter temperature in celsius :'))
print ('temperature in fahrenheit =', ((1.8 * c) + 32), 'F')

6) write a python program to calculate area of rectangle

l = int (input ('enter length :'))
b = int (input ('enter breath :'))
print ('Area of rectangle =', l * b)

5) write a python program to calculate perimeter of a square

```
s = int(input('enter side :'))
print('Perimeter of square :', 4*s)
```

6) write a python program to calculate circumference of a circle

```
r = int(input('enter radius:'))
pi = 3.14
print('circumference of a circle :', 2*pi*r)
```

7) write a python program to swap two numbers

```
a = int(input('enter val1:'))
b = int(input('enter val2:'))
print('Before swapping a=', a, 'b=', b)
a = a+b
b = a-b
a = a-b
print('After swapping a=', a, 'b=', b)
```