Assignment - 1

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CSE B2

① Write a python program to design simple calculator for the operation

```
a=int(input('enter val1:'))
b=int(input('enter val2:'))
op=input('enter operator')
if op=='+':
 print(a+b)
elif op=='-':
print(a-b)
elif op=='*':
print(a*b)
elif op=='/':
 print(a/b)
elif op=='%':
print(a%b)
elif op=='**':
 print(a**b)
elif op=='//':
print(a//b)
else:
 print('enter valid operator')
```

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(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 program to calculate area of a circle

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

(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 =', (((9/5)*c)+32),'F')
```

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⑥ Write a program to calculate area of rectangle.

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

⑦ Write a python program to calculate the Perimeter of a square

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

⑧ Write a program to calculate circumference of a circle.

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

⑨ Write a python program to swap two numbers?

```
a = int(input('enter val :'))
b = int(input('enter val :'))
print('before swapping a =', a, 'b =', b)
a = a+b
b = a-b
a = a-b
print('after swapping a =', a, 'b =', b)
```

—x—

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