

## Assignment

#1. Write a python program to design simple calculator for the operators

```
a=int(input("enter val 1:"))
b=int(input("enter val 2:"))
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")
```

#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 a circle:

```
r = int(input('Enter radius'))  
pi = 3.14  
print('Area of a 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  
Fahrenheit =', (c * 9 / 5) + 32, 'F')
```

# 6. Write a python program to calculate area of rectangle.

```
l = int(input('Enter length:'))  
b = int(input('Enter breadth'))  
print('Area of rectangle = l * b')
```





#7: Write a python program to calculate perimeter of a square.

```
s = int(input("enter radius"))
```

```
pi = 3.14
```

```
print("Perimeter of square 4*s")
```

#8: Write a python program to calculate circumference of a circle.

```
r = int(input("enter radius"))
```

```
pi = 3.14
```

```
print("Circumference of circle, 2*pi*r")
```

#9: Write a python program to swap two numbers.

```
a = int(input("enter val 1"))
```

```
b = int(input("enter val 2"))
```

```
print("Before swapping a='a', b='b'")
```

```
a = a + b
```

```
b = a - b
```

```
a = a - b
```

```
print("After swapping a='a', b='b'")
```

