① Write a python program to design Simple calculator for the operators!

```python
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 intrest

```python
p = int (input ('enter principle:'))
t = int (input (' enter time:'))
r = float (input( 'enter rate:'))
Si = ((p*t*r)/100)
print ("Simple intrest is:", si)
```

③ Write a program to calculate area of a Circle

```python
r = int (input ('enter radius:'))

pi = 3.14
print ('Area of Circle:', (pi*r**2))
```

④ write a python program to calculate area of triangle

```python
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

```python
C = int(input('enter temperature in celsius:'))
print('temperature in fahrenheit =',(((*9/5)+32),'F)
```

⑥ write a python program to calculate area of rectangle?

```python
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?

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

⑧ write a program to calculate circumference of a circle? (python)

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

⑨ write a python program to swap two numbers?

```python
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)
```

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