1) Write a Python Program to simple calculator for the operators.

```
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")
```

#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 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*)
```

5) write a Python Program to temperature in celsius to farenheit

```
c = int (input ('enter temperature in celsius'))
Print ('temperature in farenheit =', ((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 side:'))
Print ('perimeter of square:', 4*s)
```

8) write a Python Program to calculate circumference of a circ

```
r = int (input ('enter val:'))
pi = 3.14
Print ('circumference of circle:', 2*pi*r)
```

write a Python Program to swap two numbers

```
a = int (input ('enter val:'))
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)
```