Write a program that takes two integers as input from the user and displays the result of their addition, subtraction, multiplication, and division using appropriate operators

```
#write the code here and execute
num1= int(input("Enter First Number :"))
num2= int(input("Enter Second Number :"))
print("{} + {} = {}".format(num1, num2, num1+num2))
print("{} - {} = {}".format(num1, num2, num1-num2))
print("{} x {} = {}".format(num1, num2, num1*num2))
print("{} / {} = {:.2f}".format(num1, num2, num1/num2))
print("{} // {} = {}".format(num1, num2, num1//num2))
print("{} % {} = {}".format(num1, num2, num1%num2))
print("{} ** {} = {}".format(num1, num2, num1**num2))
```

```
Enter First Number :5
Enter Second Number :2
5 + 2 = 7
5 - 2 = 3
5 x 2 = 10
5 / 2 = 2.50
5 // 2 = 2
5 % 2 = 1
5 ** 2 = 25
```

Write a program that calculates the area and perimeter of a rectangle. The program should ask the user for the length and width of the rectangle and use appropriate operators to perform the calculations

```
#write the code below and execute
length, breadth = map(float, input("Enter length and breadth of a rectangle: ").split())
print("Area of the given rectangle = {:.2f}".format(length*breadth))
print("Perimeter of the given rectangle = {:.2f}".format(2*(length+breadth)))
```

```
Enter length and breadth of a rectangle: 4.5 7.8
Area of the given rectangle = 35.10
Perimeter of the given rectangle = 24.60
```

Write a program that swaps the values of two variables without using a temporary variable. Print the values before and after the swap.

```
#write the code below and execute
a,b=map(str, input("Enter the values of two variables seperated by blank space on a single line : ").split())
print("Before swapping, values of variables are a= {} and b= {}".format(a,b))
a,b=b,a
print("After swapping, values of variables are a= {} and b= {}".format(a,b))
```

```
Enter the values of two variables seperated by blank space on a single line45 67
After swapping, values of variables are 67 and 45
```

Write a program that converts temperature from Celsius to Fahrenheit. The program should ask the user for a temperature in Celsius and use appropriate operators for the conversion.

```
#write the code below and execute
celcius = float(input("Enter temperature in Celcius : "))

fahr = 9/5*celcius + 32

print("{:.2f} degree celcius = {:.2f} degree Farenheit".format(celcius, fahr))
```

```
Enter temperature in Celcius : 0
0.00 degree celcius = 32.00 degree Farenheit
```

Write a program that calculates the square and cube of a given number. The program should ask the user for a number and use appropriate operators to perform the calculations.

```
#write the code below and execute
num = int(input("Enter a number :"))
print("Square of {} = {}".format(num, num**2))
print("Cube of {} = {}".format(num, num**3))
```

```
Enter a number :5
Square of 5 = 25
Cube of 5 = 125
```

Write a Python program to calculate the area of a rectangle using the input values for length and width

```
#write the code below and execute
l,b = map(float, input("Enter length and breadth of the Rectangle:").split())

print("Area of the given Rectangle = {:.2f}".format(l*b))
```

```
    Enter length and breadth of the Rectangle:5 7
    Area of the given Rectangle = 35.00
```

Create a program that converts a given number of minutes into hours and minutes.

```
#write the code below and execute
minutes  = int(input("Enter the value of Minutes : "))

hours = minutes // 60
rem_minutes = minutes % 60

print("{} Minutes = {} hours and {} minutes".format(minutes,hours, rem_minutes))
```

```
    Enter the value of Minutes : 445
    445 Minutes = 7 hours and 25 minutes
```

Write a program that calculates the area of a triangle using the input values of base and height from the user.

```
#write the code below and execute
base,height = map(int, input("Enter base and height of the triangle :").split())

area = 1/2 * base * height

print("Area of the given triangle = {:.2f}".format(area))
```

```
    Enter base and height of the triangle :3 6
    Area of the given triangle = 9.00
```

Create a program that calculates the average of three numbers entered by the user.

```
#write the code below and execute
num1, num2, num3 = map(float, input("Enter three numbers : ").split())

average = (num1 + num2 + num3)/3

print("Average of {:.2f}, {:.2f} and {:.2f} is {:.2f}".format(num1, num2, num3, average))
```

```
    Enter three numbers : 2 3 4
    Average of 2.00, 3.00 and 4.00 is 3.00
```

Print a string that uses double quotation marks inside the string.

```
#write the code below and execute

str = "This is \"Python\" class"

print(str)
```

```
    This is "Python" class
```

Print a string that uses an apostrophe inside the string.

```
#write the code below and execute
str = "This is Python\'s tutorial"

print(str)
```

```
    This is Python's tutorial
```

Print a string that spans multiple lines, with whitespace preserved.

```
#write the code below and execute
str= """
This is a string which
spans
multiple lines"""
print(str)
```

```
    This is a string which
    spans
    multiple lines
```

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