***Arithmetic Operators***

* Write a program to perform arithmetic operations on two integer and float numbers entered by user. Print product of float numbers upto two decimal places.
* Write a program to convert a positive integer into negative integer.
* Write a program to calculate Simple Interest and Compound Interest.
* Write a program which takes ‘n’ integer from user and print its first three

powers (n1, n2, n3). Use pow() function.

* Write a program to calculate area, circumference, and diameter of a circle. Take radius from user. (Use float values).
* Write a program to calculate perimeter and area of a rectangle and square. Take length, breadth (for rectangle) and side (for square) from user.
* If base and height of a right-angled triangle are input through keyboard. Write a program to calculate hypotenuse and area of a right-angled triangle. (Use float values).
* Write a program to calculate area of a triangle. Take three sides (a, b, c) of triangle from user.

Use Heron’s Formula:

Area = √ {s\*(s-a)\*(s-b)\*(s-c)}

where s = (a+b+c)/2

* Write a program to accept roll no, name and marks of 6 subjects of a student. Calculate and print Aggregate marks, Average marks and Percentage with roll number and name of student. Use implicit and explicit type conversion.
* Write a program to calculate Net salary of an employee. Accept Basic Salary (BS) from user. Print Gross Salary and Net Salary.

HRA is 20% of BS

DA is 40% of BS

PF is 10% of Gross Salary

Gross Salary = BS+HRA+DA

Net Salary = Gross Salary - PF

* Write a program to calculate Net salary of an employee. Accept Basic Salary (BS) from user. Print Net Salary.

Dearness Allowance (DA) = 150% of BS

Income Tax (IT) = 30% of BS

Provident Fund (PF) = 8.33% of BS

Net Salary = BS + DA - (IT + PF)

* Write a program to convert length in kilometre to centimetre, meter, inch and feet.
* Write a program to convert length in centimetre to meter, kilometre, inch and feet.
* Write a program to convert temperature in Celsius to Fahrenheit. [C=(5/9) (F-32)]
* Write a program to convert temperature in Fahrenheit to Celsius.
* Write a program to print sum of five-digit number.
* Write a program to reverse a five-digit number.
* Write a program to print face value and place value of each digit in a four-digit number. If number is 1234, output format should be:

Place values are: 1000 200 30 4

Face values are: 1 2 3 4

* If a four-digit number is input through keyboard, write a program to obtain sum of first and last digit of this number.
* Consider a currency system in which there are notes of six denominations, namely, Re.1, Rs.2, Rs.5, Rs.10, Rs.50, Rs.100. If a sum of Rs. N is entered through keyboard, write a program to compute the smallest number of notes that will combine to give Rs. N.
* If value of an angle in degree is entered through the keyboard, write a program to print all its Trigonometric ratios.