***Arithmetic Operators***

1. 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.
2. Write a program to convert a positive integer into negative integer.
3. Write a program to calculate Simple Interest and Compound Interest.
4. Write a program which takes ‘n’ integer from user and print its first three
   1. powers (n1, n2, n3). Use pow() function.
5. Write a program to calculate area, circumference, and diameter of a circle. Take radius from user. (Use float values).
6. Write a program to calculate perimeter and area of a rectangle and square. Take length, breadth (for rectangle) and side (for square) from user.
7. 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).
8. Write a program to calculate area of a triangle. Take three sides (a, b, c) of triangle from user.
   1. Use Heron’s Formula:
   2. Area = √ {s\*(s-a)\*(s-b)\*(s-c)}
   3. where s = (a+b+c)/2
9. 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.
10. Write a program to calculate Net salary of an employee. Accept Basic Salary (BS) from user. Print Gross Salary and Net Salary.
    1. HRA is 20% of BS
    2. DA is 40% of BS
    3. PF is 10% of Gross Salary
    4. Gross Salary = BS+HRA+DA
    5. Net Salary = Gross Salary - PF
11. Write a program to calculate Net salary of an employee. Accept Basic Salary (BS) from user. Print Net Salary.
    1. Dearness Allowance (DA) = 150% of BS
    2. Income Tax (IT) = 30% of BS
    3. Provident Fund (PF) = 8.33% of BS
    4. Net Salary = BS + DA - (IT + PF)
12. Write a program to convert length in kilometre to centimetre, meter, inch and feet.
13. Write a program to convert length in centimetre to meter, kilometre, inch and feet.
14. Write a program to convert temperature in Celsius to Fahrenheit. [C=(5/9) (F-32)]
15. Write a program to convert temperature in Fahrenheit to Celsius.
16. Write a program to print sum of five-digit number.
17. Write a program to reverse a five-digit number.
18. 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:
    1. Place values are: 1000 200 30 4
    2. Face values are: 1 2 3 4
19. If a four-digit number is input through keyboard, write a program to obtain sum of first and last digit of this number.
20. 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.
21. If value of an angle in degree is entered through the keyboard, write a program to print all its Trigonometric ratios.