

Assignment 1

Summer Bootcamp in java

Total Marks: 100
Due Date: 23 July 2024

Solution will be discussed in doubt sessions

Arithmetic Operators

1. Ramesh's basic salary is 10,5000. His dearness allowance is 40% of basic salary, and house rent allowance is 20% of basic salary. Write a program to calculate his gross salary?
2. The distance between two cities (in km.) is 2614. Write a program to convert and print this distance in meters, feet, inches and centimeters?
3. If the marks obtained by a student in five different subjects are 80,90,75,60,100, find out the aggregate marks and percentage marks obtained by the student. Assume that the maximum marks that can be obtained by a student in each subject is 100?
4. Temperature of a city in Fahrenheit degrees is 108F. Write a program to convert this temperature into Centigrade degrees.
5. The length & breadth of a rectangle and radius of a circle are 36. Write a program to calculate the area & perimeter of the rectangle, and the area & circumference of the circle?
6. Take two positive number 8 and 12 from user. Calculate and display a^n . Assume that the power operator or built-in function is available?
7. If a five-digit number is 12345, write a program to calculate the sum of its digits? (Hint: Use the modulus operator '%')
8. In a town, the percentage of men is 52. The percentage of total literacy is 48. If total percentage of literate men is 35 of the total population, write a program to find the total number of illiterate men and women if the population of the town is 80,000?
9. A cashier has currency notes of denominations 10, 50 and 100. If the amount to be withdrawn is input through the keyboard in hundreds, find the total number of currency notes of each denomination the cashier will have to give to the withdrawer?
10. If the total selling price of 15 items and the total profit earned on them is 20%, write a program to find the cost price of one item?

Best of Luck

