**Questions:**

1. A shopkeeper sells an article for Rs. 10,000. If the rate of tax under GST is 10%, calculate and display the tax and the amount paid by the customer.
2. A dealer allows his customer two successive discounts of 20% and 10%. If the article costs Rs. 7200, calculate and display the selling price and the total discount given by the dealer.
3. A person is paid Rs. 350 for each day he works and fined Rs. 30 for each day he remains absent. Write a program to calculate and display his monthly income, if he is present for 25 days and remains absent for 5 days.
4. In a competitive examination, there were 150 questions. One candidate got 80% correct and the other candidate 72% correct. Write a program to calculate and display the correct answers each candidate got.
5. Write a program to find and display the percentage difference, when:
6. A number is updated from 80 to 90
7. A number is updated from 7.5 to 7.2
8. The angles of a quadrilateral are in the ratio 3:4:5:6. Write a program to find and display all of its angles.
9. Write a program to input a three digit number and display all the digits by using arithmetic operators.

Sample Input: 472

Sample Output: 4

7

2

1. Write a program to accept the diagonal of a square. Find and display the area and perimeter of the square.
2. Write a program to accept the number of days and display it after converting into number of years, months and days.
3. An employee contributes 12% of salary to the Provident fund. Of the remaining salary, he spends 10% on house rent and 20% on education of the children. Write a program to input salary and calculate:
4. The amount deducted as provident fund
5. The amount spent on rent and education
6. Write a program to input the basic salary of an employee. Calculate and display the gross salary and net salary when:

da=30% of basic

hra=12.5% of basic;

pf=10% of basic

gross=basic+DA+HRA

net pay=gross-pf;

1. A two digit number can be obtained by using the expression (10a+b), where a and b are the ten’s and unit’s digits respectively. The number after reversing the digits will be (10b+a). Write a program to input two digits of a number (a and b) and display the result when the sum of number and the reversed number is divided by the difference between its digits.