Assignment on 18.11.2022

BCA 1ˢᵗ Year

1. Write a C program to check whether a number is negative, positive or zero.

2. Write a C program to check whether a number is divisible by 5 and 11 or not.

3. Write a C program to check whether a year is leap year or not.

4. Write a C program to check whether a character is alphabet or not.

5. Write a C program to input any alphabet and check whether it is vowel or consonant.

6. Write a C program to input any character and check whether it is alphabet, digit or special character.

7. Write a C program to check whether a character is uppercase or lowercase alphabet.

8. Write a C program to input week number and print week day.

9. Write a C program to input month number and print number of days in that month.

10. Write a C program to input angles of a triangle and check whether triangle is valid or not.

11. Write a C program to input all sides of a triangle and check whether triangle is valid or not.

12. Write a C program to check whether the triangle is equilateral, isosceles or scalene triangle.

13. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer.

Calculate percentage and grade according to following:

Percentage >= 90% : Grade A

Percentage >= 80% : Grade B

Percentage >= 70% : Grade C

Percentage >= 60% : Grade D

Percentage >= 40% : Grade E

Percentage < 40% : Grade F

14. Write a C program to input basic salary of an employee and calculate its Gross salary according to following:

Basic Salary <= 10000 : HRA = 20%, DA = 80%

Basic Salary <= 20000 : HRA = 25%, DA = 90%

Basic Salary > 20000 : HRA = 30%, DA = 95%