**ABES Engineering College, Ghaziabad**

**Department of Computer Science and Engineering (AI&ML) B.Tech. SEM-II Session: 2023-24 Programming for Problem Solving (BCS 201) Assignment-2**

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Q1.Write a program to implement simple calculator (1=addition, 2=subtraction, 3=multiplication, 4=division). The two numbers and operation number are user input values.

Q2. Write a program in C to print grades as per following criteria for obtained

percentage of marks M out of 100:

Obtained Percent Marks (M) Grade

90 <M≤ 100 A+

80 <M≤ 90 A

70 <M≤ 80 B+

60 <M≤ 70 B

50 <M≤ 60 C

M≤ 50 F

Q3. Write a program to check whether the user input year is Leap year or not.

Q4. Write the use of Break statement in switch case. Write a program to find out the greatest number out of three numbers.

Q5. Write a program to determine the roots of quadratic equation, where a,b,c are user input values.