Laboratory Activity Questions

Task 1: Write C program for the following questions

1. Read any number from 1-7 and as per the number entered, display its corresponding day of the week as shown below using:
   (i) if statement
   (ii) if-else-if statement
   (iii) switch-case statement

Score	Result
1	"Monday"
2	"Tuesday"
3	"Wednesday"
4	"Thursday"
5	"Friday"
6	"Saturday"
7	"Sunday"

2. Read an alphabet from the user, print the entered character and its ASCII value.
3. Write a program that accepts a number ONLY in the range from 1-10. Print whether the number is even or odd using nested if statement.
4. Declare the result based on the following condition using if-else-if statement
   Marks==10: Display Distinction
   Marks>=7, Marks<=9: Display "Very Good"
   Marks>=4, Marks<=6: Display "Good"
   Marks<4: Display "Fail"
5. Read a character (A-Z/a-z), if the entered character is in lower case, then convert it into upper case and if it is in upper case, then convert it into lower case.
6. Read the grade of the student and display the result as per the following using switch-case statement:
   O – "Outstanding"
   A – "Excellent"
   B – "Good"
   C – "Fair"
   F – "Fail"

7. Write a program to print the series 1 2 3 4 5 6………10 using :
   (i) while loop
   (ii) for loop
   (iii)do-while loop

8. Write a program to print first N natural number using for loop where N is the Nth position entered by the user using:
   - (i) Entry-controlled loop
   - (ii) Exit-controlled loop

9. Write a program to print the series 10 9 8 7…….3 2 1 0 using do-while loop
   - (i) Entry-controlled loop
   - (ii) Exit-controlled loop

10. Write a program to find the sum of first N natural numbers
11. Write a program to print all even numbers from 1 to 50 using entry controlled loop
12. Write a program to print the sum of all even and odd number separately from 1-50
13. Write a program to print the multiplication table of any entered number
14. Write a program to find the factorial of a number
15. Print the following series using entry controlled loop:
    1/1   1/3   1/5   1/7   1/9   1/11   1/13   1/15