DBMS Lab Assignment 4

[A]. Perform the String Functions as follows

1. Print the ASCII values of 'A', 'a', '0' and '#'.
2. Convert and print the following text into uppercase and lowercase: "Dbms Lab 2023"
3. Replace all the 'bad' words with 'good' in the following text: "I had a bad dream on a bad day at badwin".
4. Demonstrate the use of trim, left trim and right trim on the text: "ANACONDA".
5. Find out the characters for the ASCII values 68, 66, 77, 83. Concat them together with " Lab" and display the final output.
6. Display your full name and its length.

[B]. Perform the Date Functions as follows

1. Print current date-time and system date-time.
2. Extract date, month and year separately from current date.
3. Print the day of week for –
   a. System date
   b. Any given date (e.g. 9 April, 2023)
4. Find and print the next Sunday from today.

[C]. Perform the Mathematical Functions as follows

1. Determine the sign of a number.
2. Find the absolute value of a number.
3. Determine floor and ceiling value of a floating point number. Also use the round function to approximate the value.
4. Find the largest and smallest number among 34, 20, 49, -12, 45.
5. Calculate the square root of a positive integer.
6. Calculate the value of 2 to the power 10.
7. Implement logarithm functions in sql.
8. Implement the trigonometric functions in sql.