**LAB:**

1. Write a program using switch statement to develop a simple calculator for +, -, \*, /, and % operators.
2. Write a program that displays the temperatures from 0 degrees Celsius to 100 degrees Celsius and its Fahrenheit equivalent. Note that the conversion from Celsius to Fahrenheit uses the following formula: F = C \* 9/5 + 32;
3. A palindrome is a sequence of characters that reads the same backward as forward. For example, each of the following five-digit integers is a palindrome: 12321, 55555, 45554 and 11611. Write an application that reads in a five-digit integer and determines whether it is a palindrome. If the number is not five digits long, display an error message and allow the user to enter a new value.
4. Write a program to find the number of and sum of all integers greater than 100 and less than 200 that are divisible by 7.