

**DDU-KK, DAVV, INDORE**

**B.Voc (Software Development) II Sem.**

**Subject: Project**

**PROBLEMS I**

<b>S. No.</b>	<b>Task</b>
1.	Create a basic calculator that can perform operations such as addition, subtraction, multiplication, and division.
2.	Write a program to check whether a given word or phrase is a palindrome (reads the same forwards as backward).
3.	Develop a program that generates a list of prime numbers within a specified range.
4.	Implement a program to calculate the factorial of a given number.
5.	Write a program to reverse a given string without using any built-in functions.
6.	Create a program to generate the Fibonacci sequence up to a specified number of terms.
7.	Build a program that converts temperatures between Fahrenheit and Celsius.
8.	Create a program to convert a binary number to its decimal equivalent.
9.	Develop a program that tokenizes a given string into words and counts the frequency of each word
10.	Write a program that reads a text file and counts the number of words, lines, and characters in the file.
11.	Develop a program that generates a sequence of random numbers within a specified range.
12.	Create a program that reads a text file and counts the frequency of each word, displaying the most common words.
13.	Create a digital clock program that displays the current time and updates in real-time.