

```
D:\5th-Sem\C#\Labwork>areaodcircle.exe
Enter the radius of the circle: 20
Area of the circle = 1256.63706143592
```

```
D:\5th-Sem\C#\Labwork>swapinteger.exe
Enter first number (a): 10
Enter second number (b): 30
After swapping: a = 30, b = 10
```

```
D:\5th-Sem\C#\Labwork>primecomposite.exe
Enter a number: 47
47 is a prime number.
```

```
D:\5th-Sem\C#\Labwork>vowelscount.exe
Enter a string: PratapKoirala
Number of vowels in the string: 6
```

```
D:\5th-Sem\C#\Labwork>facotorial.exe
Enter a number to find factorial: 10
Factorial of 10 is 3628800
```

```
D:\5th-Sem\C#\Labwork>fibonacciseries.exe
Enter the number of terms: 10
Fibonacci Series:
0 1 1 2 3 5 8 13 21 34
D:\5th-Sem\C#\Labwork>
```

```
D:\5th-Sem\C#\Labwork>multiplicationtable.exe
Enter a number to generate its multiplication table: 10
Multiplication Table of 10:
10 x 1 = 10
10 x 2 = 20
10 x 3 = 30
10 x 4 = 40
10 x 5 = 50
10 x 6 = 60
10 x 7 = 70
10 x 8 = 80
10 x 9 = 90
10 x 10 = 100
```

```
D:\5th-Sem\C#\Labwork>evenodd.exe
Enter a number: 19
19 is odd.
```

```
D:\5th-Sem\C#\Labwork>simplecalculator.exe
Enter first number: 10
Enter operator (+, -, *, /): +
Enter second number: 20
Result: 30
```

```
D:\5th-Sem\C#\Labwork>ascendingsort.exe
Sorted array in ascending order:
1 2 3 5 8
```

```
D:\5th-Sem\C#\Labwork>elementsearch.exe
Enter element to search: 20
Element 20 found at index 1.
```

```
D:\5th-Sem\C#\Labwork>elementsearch.exe
Enter element to search: 12
Element not found in the array.
```

```
D:\5th-Sem\C#\Labwork>stringreversewithoutfunction.exe
Enter a string: KPOLI
Reversed string: ILOPK
```

```
D:\5th-Sem\C#\Labwork>largestelement.exe
Largest element in the 2D array: 9
```

```
D:\5th-Sem\C#\Labwork>stringpalindrome.exe
Enter a string: aplpa
The string is a palindrome.
```

```
D:\5th-Sem\C#\Labwork>sumofnumber.exe
Enter first number: 20
Enter second number: 30
Sum = 50
```

```
D:\5th-Sem\C#\Labwork>refandout.exe
After method call:
a (ref) = 15
b (out) = 30
```

```
D:\5th-Sem\C#\Labwork>recursionfactorial.exe
Enter a number to calculate factorial: 9
Factorial of 9 is 362880
```

```
D:\5th-Sem\C#\Labwork>studentdata.exe
Enter Name: Ram Shah
Enter Roll No: 2
Enter Marks: 20
```

```
Student Details:
Name: Ram Shah, Roll No: 2, Marks: 20
```

```
D:\5th-Sem\C#\Labwork>multilevelinheritance.exe
Animal eats food.
Mammal walks.
Dog barks.
```

```
D:\5th-Sem\C#\Labwork>methodoverloading.exe
Int Add: 12
Float Add: 7.8
```

```
D:\5th-Sem\C#\Labwork>abstractclass.exe
Area of Circle: 78.5398163397448
Area of Rectangle: 24
```

```
D:\5th-Sem\C#\Labwork>interface.exe
Car has started driving.
```

```
D:\5th-Sem\C#\Labwork>list.exe
```

```
Numbers in the list:
```

```
10
```

```
20
```

```
30
```

```
40
```

```
D:\5th-Sem\C#\Labwork>dictionary.exe
```

```
Student names and emails:
```

```
Name: Ram, Email: ram@google.com
```

```
Name: Hari, Email: hari@google.com
```

```
Name: Shyam, Email: shyam@google.com
```

Index

1	Write a program to calculate the area of a circle using radius as input.		
2	Create a program that swaps two integers without using a third variable.		
3	Write a program to check whether a given number is prime or not.		
4	Accept a string from the user and count the number of vowels.		
5	Write a program to find the factorial of a number using a for loop.		
6	Create a program that prints the Fibonacci series up to n terms.		
7	Write a program to generate a multiplication table for a given number.		
8	Accept a number and print whether it is even or odd using if-else.		
9	Use a switch statement to perform a simple calculator (add, sub, mul, div).		
10	Create a program that sorts an array in ascending order.		
11	Write a program to search an element in an array.		
12	Accept a string and reverse it without using built-in methods.		
13	Write a program to find the largest element in a 2D array.		
14	Accept a string and check if it is a palindrome.		
15	Create a method that returns the sum of two numbers.		
16	Write a program with a method that uses ref and out parameters.		
17	Create a method to calculate the factorial using recursion.		
18	Create a class Student with fields Name, RollNo, and Marks. Write methods to accept and Display data		
19	Implement a multilevel inheritance example using own examples.		
20	Demonstrate method overloading with Add(int, int) and Add(float, float).		
21	Create an abstract class Shape with a method Area(), and inherit it in Circle and Rectangle.		
22	Implement an interface IDrive with method Start() and implement it in a class Car.		
23	Use a List<List> to store numbers, add elements and print them.		
24	Use a Dictionary<String, String> to store student names and emails.		