**LIST OF EXPERIMENT**

1. To print the multiplication of two given matrix.
2. Function to raise a number m to power n. The function takes a double value for m and integer value for n. Use default value for n to make the function to calculate squares.
3. To calculate area of circle, rectangle, and triangle by method overloading.
4. Create a class time with members hours, minutes, and seconds. Take input, add two-time objects, and pass objects as argument to function and display result.
5. To print the transpose of a given matrix.
6. To print the Addition of a given matrix.
7. To find the greatest of two given numbers in two different classes using friend function.
8. To perform addition of two complex numbers using constructor overloading.
9. To generate a Fibonacci series using copy constructor.
10. To generate Fibonacci Series using Copy Constructor
11. To find sum of 2 numbers declared in class and the display the number and their sum using friend class
12. Implement a class string containing the following functions: a. Overload +, = , and <= operator and function to display the length of a string , to convert upper to lower case and to convert lower to upper case
13. To implement the use of Constructor and Destructor.
14. To define the function template for calculating the square of numbers with different data types
15. To define the function template for swapping two items of the various data types such as integer, float, and characters
16. To demonstrate the use of special functions constructor and destructor in the class template
17. To demonstrate how template function can be overloaded.
18. To demonstrate single-level inheritance.
19. To demonstrate multi-level inheritance
20. To demonstrate multiple inheritance.