Lab Assignment -1 II MCA OOP Lab

1. Write a java program to print Biggest of 3 Numbers using Logical Operators
2. Write a java program to print first 10 numbers in Fibonacci series
3. Write a java program to print primes up to the given prime number
4. Write a java program to print sum of n terms in the series 1/1! +1/2! + 1/3!.....
5. Write a java Program to print Quadratic roots using command line arguments
6. Write a java program to print multiplication table using arrays
7. Write a java program to print the names in sorted order using arrays
8. Write a java program to display the given number in words.

Eg: Input: 123

Output: one hundred and twenty three

1. Write a java program to display Floyds triangle

1

2 3

4 5 6

7 8 9 10

11 12 13 14 15

16 17 18 19 20 21

22 23 24 25 26 27 28

1. Write a java program to display the following triangle

0 0 1

0 2 4

0 3 6 9

0 4 8 12 16

0 5 10 15 20 25

0 6 12 18 24 30 36

0 7 14 21 28 35 42 49

0 8 16 24 32 40 48 56 64

0 9 18 27 36 45 54 63 72 81

1. Write a java program to find factorial of a number using recursion.
2. Write a Java Program to define a class, define instance methods for setting and retrieving values of instance variables and instantiate its object.
3. Write a Java Program to define a class, define instance methods and overload them and use them for dynamic method invocation.
4. Write a Java Program to demonstrate use of nested class.
5. Write a Java Program to implement array of objects.
6. Write a JAVA Program to demonstrate Constructor overloading and Method overloading.
7. Write a java program to copy the values of one object into another using constructor.
8. Write a java program to implement the railway reservation system including the following methods
9. Book ticket
10. Cancel ticket
11. Display reservation chart
12. Search passenger number
13. Write a java program to implement online quiz system

In Online Quiz system, ‘N’ number of teams can be created and they can participate in a competition. Also, ‘M’ number of rounds can be played to finally declare a team as the winner. The teams with lower average marks are eliminated, and remaining teams compete in the next round. This process continues in the next round until the winner is declared.

1. Write a java program to implement number guessing game

The computer will generate a random number from 1 to 100. The user is asked to enter their **guess number**. Computer tells if the **guess number** matches or it is higher/lower than the one it generated. The game continues until the user guesses the computer number or number of attempts have been crossed.