



LJ Polytechnic

Certificate

*This is to certified that a benefit record of practical work done by
Mr./Ms. _____ be
during a Roll No. _____ in Semester _____ of
_____ Branch in the
_____ laboratory during the academic
year _____ under our supervision.*

Subject In-Charge

Head of the Department

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Roll No.: _____ Student Name: _____

Subject: Java Programming

Semester: _____

Sr. No.	Experiment / Exercise Name	Grade/ Mark	Submission Date	Remarks/ Sign
1	Install JDK, write a simple "Hello World" or similar Java program, compilation, debugging, executing using Java compiler and interpreter.			
2	Write a Java program to find maximum of three numbers.			
3	Write a simple Java program using loops.			
4	Write a Java program for matrix multiplication.			
5	Write a Java program to use of Wrapper class of each primitive data types.			
6	Write a Java program to use of commandline arguments.			
7	Write a Java program to demonstrate class and object.			
8	Write a Java program for method overloading.			
9	Write a Java program for constructor overloading.			
10	Write a program in Java to demonstrate use of this keyword			
11	Write a program in Java to demonstrate use of static keyword.			
12	Develop minimum four programs based on variation in methods i.e. passing by value, passing by reference, returning values and returning objects from methods.			
13	Write a program in Java perform create, write and read operations on a text file.			
14	Write a program in Java to demonstrate single inheritance, multilevel inheritance and hierarchical inheritance.			

15	Write a program in Java to demonstrate method overriding.			
16	Write a program in Java to demonstrate the use of 'super' keyword.			
17	Write a program in Java to demonstrate the use of 'final' keyword.			
18	Write a program in Java for use of abstract method and class.			
19	Write a program that illustrates interface inheritance. Interface P12 inherited from both P1 and P2. Each interface declares one constant and one method. The class Q implements P12. Instantiate Q and invoke each of its methods. Each method displays one of the constants.			
20	Write an application that illustrates method overriding in the same package and different packages. Also demonstrate accessibility rules in inside and outside packages.			
21	Write a program in Java to develop user defined exception for 'Divide by Zero' error.			
22	Write a program in Java to demonstrate multiple try block and multiple catch exceptions.			
23	Write a small application in Java to develop Banking Application in which user deposits the amount Rs 1000.00 and then starts withdrawing of Rs 400.00, Rs 300.00 and it throws exception "Not Sufficient Fund" when user withdraws Rs. 500 thereafter.			
24	Write a program that executes two threads. One thread will print the even numbers and another thread will print odd numbers between 1 to 50.			
25	Write a program that executes two threads. One thread displays "Thread1" every 2,000 milliseconds, and the other displays "Thread2" every 4,000 milliseconds. Create the threads by extending the Thread class.			