

**VIDYA JYOTHI INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE AND**  
**ENGINEERING(AI&ML)**  
**OBJECT ORIENTED PROGRAMMING THROUGH JAVA LAB**

**II Year B.Tech. CSE (AI & ML) II Sem.**

**Week 1 & 2**

1. Write a program to find total, average of given two numbers by using function with command-line arguments, static data members.
2. Write a program to illustrate class and objects.
3. Write a program to illustrate method & constructor overloading.
4. Write a program to illustrate parameter passing using objects.
5. Write a program to illustrate Array Manipulation.

**Week 3**

1. Write a program to illustrate different types of inheritances.
2. Write a java program to illustrate Method overriding.
3. Write a java program to demonstrate the concept of polymorphism (Dynamic MethodDispatch).
4. Write a program to demonstrate final keyword.

## **Week 4 & 5**

1. Write a program to illustrate the use of creation of packages.
2. Write a java program to handle the situation of exception handling using multiple catch blocks.
3. Write a program to implement the concept of User defined Exceptions.

## **Week 6 & 7**

1. Write a program to illustrate Multithreading and Multitasking.
2. Write a program to illustrate thread properties.
3. Write a program to illustrate Synchronization

## **Week 8 & 9:**

1. Write a program to implement StringTokenizer.
2. Write a program to read one line at a time, and write it to another file.

## **Week 10 & 11**

1. Write a program to illustrate Event Handling (keyboard, Mouse events)
2. Write a program to illustrate applet life cycle and parameter passing.

## **Week 12:**

1. Write a program to develop a calculator application using AWT.

## **Week 13**

1. Write a program to illustrate JDBC.