24MCA10066

LAB Assignment-5

MCA (1001)

Programs on Files and I/O Streams

Objective:

The purpose of this lab assignment is to enhance your understanding of file handling and I/O streams in Java. You will work on various problems that involve reading from, writing to, and manipulating files using different I/O stream classes. By the end of this assignment, you should be comfortable with performing file operations and handling exceptions effectively.

1. File Reading and Writing

2. Character Streams:

```
}
}
```

3. Binary File Operations:

Code:

4. Handling Data Streams:

5. Serialization and Deserialization:

```
public String toString() {
    try (ObjectOutputStream oos = new ObjectOutputStream(new
           FileOutputStream("student.ser"))) {
       oos.writeObject(student);
    } catch (IOException | ClassNotFoundException e) {
```

6. Exception Handling with Files: