

Assignment No. 8

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Ref. No.:

8

Date: / /

Title:

Implement a program for maintaining a database of student records using file. Students has Student-id, name, Roll-no, class, marks and address. Display the data for few students.

1. Create Database
2. Display Database
3. Delete Records
4. Update Records
5. Search Records

Theory

File Handling.

File handling in Java is defined as reading and writing data to a file. The particular file class from the package called java.io allows us to handle and work with different formats of files.

For Example:

```
// Import the file class
```

```
import java.io.file
```

```
// specific the filename
```

```
File object = new File("filename.txt");
```

Stream.

In Java, A stream is a sequence of data. In Java, a stream is composed of bytes. It's called a stream because it is like a stream of water that continues to flow. In Java, 3 streams are created for us automatically. All these streams are attached with the console.

1] System.out

2] System.in

3] System.err

1] Output Stream.

Java application uses an output stream to write data to destination; it may be a file, an array, peripheral device or socket.

2] Input Stream.

Java application uses an input stream to read data from a source; it may be a file, an array, peripheral devices or socket.

Conclusion :

Hence, we have successfully implemented a program for maintaining a database.