

MSC COMPUTER SCIENCE SEM-III ELECTIVE-I: CYBER AND INFORMATION SECURITY-II
Practical -02

```
import java.text.SimpleDateFormat;
import java.util.Date;

public class MysqlRestoreProgram {

    public static void main(String[] args) {
        String mysqlPath = "C:\\\\Program Files\\MySQL\\MySQL Server
8.0\\\\bin\\\\mysql";
        String dbUser      = "root";
        String dbPassword  = "maurya";
        String backupFile  =
"D:\\Backupfolder\\backup1609496853184.sql";

        restoreDatabase(mysqlPath,dbUser, dbPassword, backupFile);
    }

    public static void restoreDatabase(String mysqlExe,String
dbUserName, String dbPassword, String source) {
        SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd
HH:mm:ss.SSS");
        String[] executeCmd = new String[]{mysqlExe, "--user=" +
dbUserName, "--password=" + dbPassword, "-e", "source " + source};

        Process runtimeProcess;
        try {
            System.out.println("Processing.. "+ "STARTED "
+sdf.format(new Date()));
            Date sDate = new Date();

            runtimeProcess = Runtime.getRuntime().exec(executeCmd);
            int processComplete = 0;
            try {
                processComplete = runtimeProcess.waitFor();
            } catch (Exception e) {
                e.printStackTrace();
            }

            System.out.println("Processing.. "+ "END "
+sdf.format(new Date()));
            Date eDate = new Date();
            long duration = eDate.getTime() - sDate.getTime();
            int seconds=(int) ((duration/1000)%60);
            long minutes=((duration-seconds)/1000)/60;
            System.err.println("TOTAL TIME : " + minutes + " minutes
:: ");
            System.err.print(seconds + " seconds :: ");
            System.err.print(duration + " milliseconds");

            if (processComplete == 0) {
                System.out.println("Backup restored successfully with "
+ source);
            } else {
                System.out.println("Could not restore the backup " +
source);
            }
        } catch (Exception ex) {
            ex.printStackTrace();
        }
    }
}
```

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```
}  
}
```

Sample Document for Reference Only