Course Outcome 6 (CO6):

1)Write a program to write to a file, then read from the file and display the contents on the console.

```
package filewrt;

/**
 *
 * @author sjcet
 */
import java.io.FileWriter;
import java.io.IOException;
import java.io.File;
import java.io.FileNotFoundException;
import java.util.Scanner;

public class Filewrt {
    public static void main(String[] args) {

        try{
            FileWriter dataWriter=new FileWriter("DATA.txt");
            dataWriter.write("Hai Hallo");
            dataWriter.write("World");
            dataWriter.close();
        }catch(IOException ex){
            System.out.println("An error occured!");
            ex.printStackTrace();
        }
        try{
            File dataFile=new File("DATA.txt");
            Scanner dataRead= new Scanner(dataFile);
            while(dataRead.hasNextLine()){
```

```
            System.out.println(dataRead.nextLine());
        }
        dataRead.close();
    }catch(FileNotFoundException ex){
        System.out.println("An error occured!");
        ex.printStackTrace();
    }
  }

}
```

OUTPUT:

2)Write a program that reads from a file having integers. Copy even numbers and odd numbers to separate files

```
package fileoddeven;

/**
 *
 * @author sjcet
 */
import java.io.File;
import java.io.FileWriter;
import java.io.IOException;
import java.util.Scanner;
public  class Fileoddeven {
   static String data ="";
```

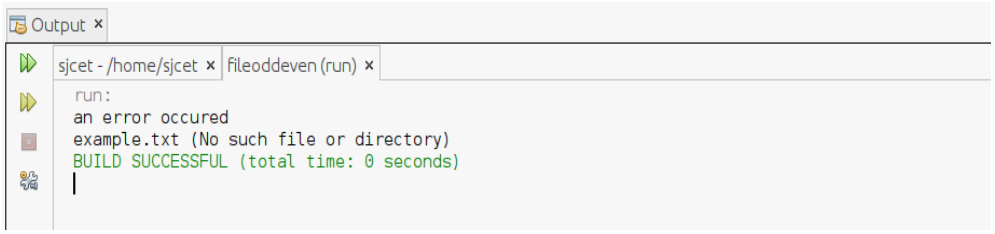
```
static File dataFile=new File("example.txt");


public static void main(String[] args) {
   try
   {

       FileWriter oddFile=new FileWriter("odd.txt");
       FileWriter evenFile =new FileWriter("even.txt");
       Scanner dataRead =new Scanner(dataFile);
       while(dataRead.hasNextLine()){
          data+=dataRead.nextLine();
       }
       dataRead.close();
       String values[]=data.split("");
      int valuesInt[]=new int[values.length+1];
      int count =0;
      for(String i:values){
         valuesInt[count++]=Integer.parseInt(i);
         if(Integer.parseInt(i)%2==0){
            evenFile.write(i+"");
         }else{
            oddFile.write(i+"");
         }
      }
      oddFile.close();
      evenFile.close();
}catch(IOException ex){
       System.out.println("an error occured");
       System.out.println(ex.getMessage());
```

```
    }
    }
}
```

output:


Output
sjcet - /home/sjcet
fileoddeven (run)
run:
an error occured
example.txt (No such file or directory)
BUILD SUCCESSFUL (total time: 0 seconds)