Lab 5(B.Bhagyasri)

1. ***Read an Employee data with idno, name and mobilenumber (regular expression) and compare the mobile number must have only 10 digits***

name can consists of only alphabets , space character.

```
package Lab4;
import java.util.*;
public class Exce_hand {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);

		  try {
			for(int i=0;i<args.length;i++) {

			}
			int arr[]=new int[10];


			System.out.println("Excecuting inside the try block");
		}
    catch(Exception e) {
		System.out.println(e);
    }
		finally {
		System.out.println("Final Block is executed successfully");
	}}}
```

Output:

1 2 3 4 5 6 7

Final Block is Executed Succesfully

2. Write a java program for Method level exception handling, for writing data to file using objects.

```
package Lab4;

import java.io.Serializable;

public class student implements Serializable {



        int idno;

        String Name;



        public student(int id, String na)

        {

                idno=id;

                Name=na;

}


}

package Lab4;

import java.io.*;

public class Exc_hand1 {

public void Writedata()throws Exception

        {

                FileOutputStream fout = new
FileOutputStream("d:\\\\Bhaghi_rec.txt");

                ObjectOutputStream out = new ObjectOutputStream(fout);

                 student s = new student(50,"Bhaghi");

                 // s.Show();

                 out.writeObject(s);
```

```
                System.out.println("data written to file...");


        }
        public static void main(String[] args) throws Exception {

            Exc_hand1 f = new Exc_hand1 ();
            f.Writedata();

    }

}
```

Output:

Data written to file……

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3. Write a java program to illustrate, the user can check error conditions and call the catch block.

```
package Lab4;
import java.util.*;
public class Exc_hand3 {

    public static void main(String[] args) {
            Scanner sc=new Scanner(System.in);
            int a,b,c;
   try {
    System.out.println("Enter integer values");
    a=sc.nextInt();
    b=sc.nextInt();
    c=a/b;
```

```
            System.out.println(c);

        }
        catch(Exception e) {
            System.out.println(e);



            }

}}
```

Output:

```
Enter integer values
25
5
5
```

4. Write a java program to illustrate IO exception.

```
package Lab4;
import java.util.*;
public class Exc_hand4 {

        public static void main(String[] args) {
                // TODO Auto-generated method stub
                Scanner scan = new Scanner("Java is a object oriented language");
                                //It prints the line
                                System.out.println("" + scan.nextLine());
                                //Check if there is an io exception
                                System.out.println("Exception Output: " + scan.ioException());
                                scan.close();
        }
```

}

Output:

Java is a object oriented language

Exception Output: null