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 lab;
import java.util.*;
public class exp {
     public static void main(String[] args) {
          // TODO Auto-generated method stub
          int[] a = new int[10];

       int i;

 try{

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

{ a[i]=Integer.parseInt(args[i]);

} }

catch(Exception e)

{

System.out.println(e);

} finally{

System.out.println("End of program....");

}

}

}
```

Output:

```
C:\Users\Hp>d:


D:\>cd "vijaya"
```

```
D:\vijaya>javac Exception_Handling.java


D:\vijaya>java Exception_Handling

End of program....


D:\vijaya>java Exception_Handling 10 20 30 40

End of program....


D:\vijaya>java Exception_Handling 10 20 sravs

java.lang.NumberFormatException: For input string: "sravs"

End of program....


D:\vijaya>java Exception_Handling 10 20 30 40 35 67 76 89 56
23 34 45

java.lang.ArrayIndexOutOfBoundsException: Index 10 out of
bounds for length 10

End of program....


D:\vijaya>java Exception_Handling 10 20.07 30

java.lang.NumberFormatException: For input string: "20.07"

End of program....
```

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

```
package lab; import
java.io.*; public
class anudp {

     public void Writedata()throws Exception {
```

```
            // TODO Auto-generated method stub
            FileOutputStream fout = new
FileOutputStream("D:\\vijaya\\Write.txt");
            ObjectOutputStream out = new
ObjectOutputStream(fout);
             data s = new data(100,"vijaya");
             // s.Show();
             out.writeObject(s);

            System.out.println("Data written to file...");
      }
      public static void main(String[] args) throws Exception {

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

      }


      }

package lab;

import java.io.Serializable;

public class data implements Serializable  {



                int idno;
            String Name;

                public data(int id, String na)
                {
                     idno=id;
                Name=na;
                }


      }
Output:
```

```
Data written to file...

¬í  sr  lab.dataË ªsØ  $   I  idnoL  Namet
 Ljava/lang/String;xp   dt  vijaya
```

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

```
 package lab;
import java.util.*;

public class dsss {
     public static void main(String[] args) {
          // TODO Auto-generated method stub

               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

12
6
```

4. Write a java program to illustrate IO exception.

```
 package lab;
import java.util.*;

public class dsss {
     public static void main(String[] args) {
          // TODO Auto-generated method stub

          Scanner scan = new Scanner("Java is an 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
```