N.HARI PRASAD(LAB5)

1. Write a java program to handle Exception using try, catch, finally block while reading input from command line and store to integer array.

```
package IO_files;

public class Exp_handling {

public static void main(String[] args)

{

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("Final Block is Executed Succesfully");

}
```

```
}

}
```

0utput:

11 12 13 14 15 16

Final Block is Executed Succesfully

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

```
package IO_files;

import java.util.*;

import java.io.Serializable;

public class Exp_1 implements Serializable{

int idno;

String Name;

public Exp_1(int id, String na){

idno=id;

Name=na;

}

}

package IO_files;

import java.io.*;

public class FILE_WRITING {

public void Writedata()throws Exception{
```

```
FileOutputStream fout = new
FileOutputStream("C:\\\\HARI\\\\HAR.txt");

ObjectOutputStream out = new ObjectOutputStream(fout);

Exp_1 s = new Exp_1(1,"Hari");

out.writeObject(s);

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

}

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

FILE_WRITING f = new FILE_WRITING();

f.Writedata();

}

}
```

OUTPUT:

```
data written to file...

¬í sr IO_files.Exp_1>/‰Ø+bM§ I
---------------------------------------------------------------
idnoL
---------------------------------------------------------------
Namet _x0012_Ljava/lang/String;xp   t
---------------------------------------------------------------
Hari
```

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

```
package IO_files;

import java.util.*;
```

```
public class THROW {
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
int a,b,c;
try {
System.out.println("Enter 2 integer values ");
a=sc.nextInt();
b=sc.nextInt();
if(b==0)
{
Exception o = new Exception("Divisor must be non zero value ");
throw(o);
}
else
{
c=a/b;
System.out.println("dvivison "+ c);
}
}
catch(Exception e)
{
System.out.println(e);
}
```

```
}
}
```

OUTPUT:

```
Enter 2 integer values
10
5
dvivison 2
```

(OR)

```
Enter 2 integer values
2
0
java.lang.Exception: Divisor must be non zero value
```

(OR)

```
Enter 2 integer values
5
HARI
java.util.InputMismatchException
```

4. Write a java program to illustrate IO exception

```
package IO_files;
import java.util.*;
public class File_writers {
public static void main(String[] args) {
```

```
//Create a new scanner with the specified String Object

Scanner scan = new Scanner("HARI IS A FULL STACK DEVELOPER IN CAPGEMINI");

//Print the line

System.out.println("" + scan.nextLine());

//Check if there is an IO exception

System.out.println("Exception Output: " + scan.ioException());

scan.close();

}

}
```

OUTPUT:

HARI IS A FULL STACK DEVELOPER IN CAPGEMINI

Exception Output: null