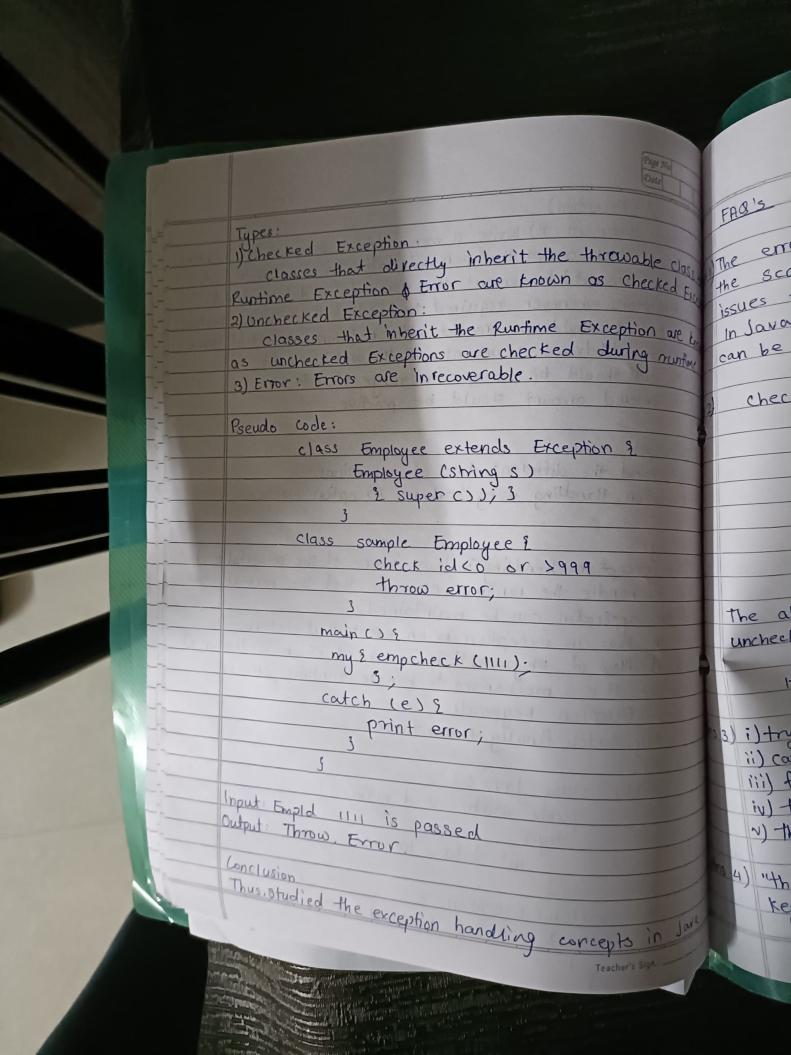
1th private data has a default conti Devanshu Surana 90-23, 1032210755 of class Hotel: Batch CI put values for do es of data member OOCCJ Lab Assignment 48 Aim: Write a Java program to showcose the use of file To mber functions of Exception Handling in Java. get city () get room! Part -1 (file 1/0) city Not Valid A) Read the data from console (student Boo, more mosts of Room type not w 5 subjects [calculate Grade] by Imputstreamleader and Buffer-- Reader and write the same to another the wing Inputstream Writer and Bufferend Writer. check if above u stad satisfied the Objectives: - To study I lo stream classes - To study Jova abstract class. file. Abstraction is a process of hiding the implementation details Theory: and showing only functionally to the wer Another way it Shows only essential things to the user and hites the interfor ex: sending SMS where you the text and send -al details. It can be achieved with either abstract class or hertiges the message. Java 1/0 is used to process the input and produce the output . The java is package contains all classes required or input and output operation.

Stream is a sequence of data. It is composed FRQ's Abstract class ca Java application uses an input stream to read by Im Input stream: while concrete cl Java application use a file, an array, periphers Abstract class m concrete class socket. Abstract class ca class can be de Output Stream: Java application uses an output stream to write to a destination, it may be a file, an array por -eral device or socket. chara CharA Array chart Algorithm: String step1: Start String step 2: Create object of filewriter Strip plp step 3: Pass this object as a parameter to the Butte pipe class. Step 4: Declare variables file Step 5: Take Input step 6: Write the input value onto the file. Step 7: close the file. step 8: open the txt file to ensure everything is properly. Step 9: End. Input: Data of students Output file displays all records. Conclusion: Thus, we have successfully implemented in stream classes.

is composed of FRQ's am to read data Abstract class cannot be instantiated using new kayword ay, peripheral del while wherete class can be instantiated using new keyword Abstract class may or may not have abstract methods but ancrete class can not have abstract methods. Abstract class can not declared as final class while convek am to write do class can be declared final an array periph. Character stream Byte stream Byte Array Input Stream Charfmay Reader Array Byte Array Output stream char Amay Writer String Buffer Inpulskon String Reader String String Writer piped Input stream to the Buffere placed Reader pipe piped Output stream piped Write file Input Stream file Reader file file output stream file priter ile. werything is add plemented usage

ut-2 (Exception) notem statement: B) Write a menu driven program for banking ister which accept the personal data for Eustomer (cid come amount). Implement the user-defined Istandard exceptions, whenever required to handle the following stuators: 1. Amount should be created with minimum amount of 1000 rs e for withdraw 1 of amount, if with ant > amount 3. cid should be in specific range of 1 to 20. 4. Entered amount should be positive objectives: Understand the different types of exceptions.

Exception Handling using various Exception classes. The exception handling in Java is one of the powerful mechanic-m to handle the runtime errors so that the normal flow of the application can be maintained. In Java, an exception is an event that disturbs the normal flow of program. It is an object which is thrown at runtime. It is a mechanism to handle runtime errors. Java Exception requords: try, catch, finally, throw, throws public class Java & public static void main () ? catch (Exception e) 2 8 0 P ("Error"); 3



FAQ'S browable classe The error indicates trouble that primarily occurs due to os checked Excer the scarcity of system resources. The exceptions are the issues that can occur at runtime and compile time. xception are know In Java all the errors are unchecked while exceptions during runtime can be both checked and unchecked. Checked class main & public static void main() ? file reader & 1 = newfile Reader (" Path"); Buffered Reader Br = new Buffered reader (fr) System.out. println (fr Input realine (1)); fr close(); The above error can be avoided by using try catch block. unchecked int x = 1010; It throws arithmetic Exception during runtime 3) i) try: Used to specify the exception block. ii) catch: used to specify the solution iii) finally: The 'Anally' keyword has a mandatorily executable code. iv) throw: Throws an exception v) throws: used to declare an exception "throw" keyword throws an exception while the "throws" keyword is used to declare an exception. Java in

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OOCCJ Lab Assignment 4B

```
CODE:
import java.io.*;
import java.util.Scanner;
class filejava
{
  public static void main(String[] args)throws IOException
  {
    FileWriter fw=new FileWriter("stud.txt");
    BufferedWriter bw=new BufferedWriter(fw);
    String name;
    int rollno;
    int marks[]=new int[5];
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter name:");
    name=sc.next();
    System.out.println("Enter roll no.:");
    rollno=sc.nextInt();
```

```
for(int i=0;i<marks.length;i++)
{
  System.out.println("Enter marks:");
  marks[i]=sc.nextInt();
}
bw.write(name);
bw.write(""+rollno);
for(int i=0;i<marks.length;i++)</pre>
{
  bw.write(""+marks[i]);
bw.close();
fw.close();
```

OUTPUT:

```
Enter name:
Devanshu
Enter roll no.:
23
Enter marks:
98
Enter marks:
87
Enter marks:
75
Enter marks:
68
Enter marks:
```