Vidyavardhini's College of Engineering and Technology
Department of Artificial Intelligence & Data Science

AY: 2024-25

Class:	SE	Semester:	III
Course Code:		Course Name:	Object oriented Programming JAVA.

Name of Student:	Athava. V. Bove
Roll No. :	07.
Assignment No.:	05
Title of Assignment:	
Date of Submission:	
Date of Correction:	

Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	
Demonstrated Knowledge	3	
Legibility	2	
Total	10	

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	1
Legibility	2	1	0

Checked by

Name of Faculty :

Signature :

Date :

① Java

Assignment 05

Q1) A user wants to book the last available ticket of class movie create two threeds as the object of this class, created at two counters and books the ticket for one of the customers while display "house full" for the other customers.

```
Import java.io *;
Import java.util;
class movie
private int availble Tiket = true;

public synchronized vaid book ticket (string
                                   costomer name)
{ if (available ticket)
q
  System.out.println (customer Name +
              "successfully booked the lost ticket");
       available ticket = false;
  3
  else
  {
  System.out.println(" House full for customer Name);
  3
3
3
```

FOR EDUCATIONAL USE

```
Class Ticket Counter extends Thread
{
        Private movie movie;
        private String customer name;

    Public Ticket Counter (movie name, String customername)
        {
        this movie = movie;
        this. customer Name = customer Name;
    @ override
        public void min ()
        {
            Movie.book ticket (Customer Name);
        }
    }

Public class movie Booking App
    {
        Publish static void main (String [ ] args)
    {
    movie menu = new movie ();
    Ticket Counter Counter 1 = new ticket counter.
        (movie, " Counter1" );
    ticket counter Counter 2 = new ticket counter
        (movie ) " [customer 2");
        counter1 .start ();
        Counter. Start ();
    }
    }
```

output :

Customer 1 successfull booke the last
ticket House full for Coustomer 2.

Q2) Implement a program to perform division of two
no. accepted for user. Handel the ID exception
number format enception and also handle
the divide by expels using multiple try-
catch block.

import java. Io *;
public class Division Program.
{
    public static void main (string [] args)
    {
        Buffered Reader = new BufferReader (new
                Input stream Rider (system.in));
        int num1 = 0 , num 2=0 i
        try {
        System.out .print ("Enter the first no :");
            try {
        num1 = Integer.preselnt (reader . readline()};
            }
        catch (Number format Enception)
        {
            System.out.println ("Invalid input for
                the first number pleass enter a
                valid integer ");
            return;

```
}
    System.out.print ("Enter the secon number");
    try {
        num2 = Integer.ParseInt (reader.relin());
    }
```