**Experiment 2**

**Student Name:** Yash Gupta

**UID:** 20BCS5009

**Branch:** CSE

**Section/Group:** 20BCS\_MM-807 / B

**Semester:** 5

**Subject Name:** Project Based Learning in Java Lab

**Aim/Overview of the practical:**

**Code:**

import java.util.\*;

class Video{

String title;

boolean[] flag=new boolean[10];

int[] user\_rating=new int[10];

void being\_checkedout(int i)

{

if(flag[i]==true)

flag[i]=false;

}

void being\_returned(int j)

{

if(flag[j]==false)

flag[j]=true;

}

void receive\_a\_rating(int n,int no)

{

user\_rating[n]=no;

}

}

class VideoStore extends Video

{

Video obj=new Video();

String[] videos=new String[10];

int[] rate=new int[10];

int i=0;

void addVideo(String title)

{

videos[i++]=title;

}

void checkOut(String nm)

{

int j,index=0;

for(j=0;j<3;j++)

{

if(videos[j].equals(nm))

{

index=j;

}

}

being\_checkedout(index);

}

void returnVideo(String nm)

{

int j,index=0;

for(j=0;j<3;j++)

{

if(videos[j].equals(nm))

{

index=j;

}

}

being\_returned(index);

}

void receiveRating(int n, int no )

{

rate[n]=no;

receive\_a\_rating(n,no);

}

void listInventory()

{

int i;

for(i=0;i<3;i++)

{

if(flag[i]==true)

System.out.println(videos[i]+" " +flag[i]);

}

}

}

class store extends VideoStore{

public static void main(String args[])

{

VideoStore o=new VideoStore();

Arrays.fill(o.flag, true);

o.addVideo("The Matrix");

o.addVideo("Godfather II");

o.addVideo("Star War Episode IV: A New Hope");

o.receiveRating(0, 4);

o.receiveRating(1, 3);

o.receiveRating(2, 5);

o.checkOut("The Matrix");

o.checkOut("Godfather II");

o.checkOut("Star War Episode IV: A New Hope");

o.returnVideo("The Matrix");

o.returnVideo("Godfather II");

o.returnVideo("Star War Episode IV: A New Hope");

o.checkOut("Godfather II");

o.listInventory();

}}

