Wipro PBL mini projects solutions

oops/inheritance

1. video rental inventory system

//@Class video

Public class Video{

Private String videoname;

Private Boolean checkout;

Private Int rating;

public video(String name){videoname=name;}

Public void String getName(){ return videoname;}

Public void doCheckout(){ checkout=true;}

Public void doReturn(){checkout=false;}

Public void ReceiveRating(int rating){this.rating=rating;}

Public int getRating(){return Rating;}

Public boolean getCheckout(){return checkout;}

}

//@class videostore

PUBLIC Class videostore{

Private Video[] store;

Public int getstoresize(){

If(store!=null)return store.length; else return 0;}

Public void addvideo(String name){

Video video=new video( name);

Int storesize;

Try{ storesize=store.length;} catch(Exception e){ storesize=0;}}

Public void docheckout(String name){

If(store==null||store.length==0){System.out.println(“store is empty”); return;}

Else{

For(Video video:store){ if(video.getname().equals(name)){ video.docheckout;}}}}

Public void doreturn(String name){

If(store==null||store.length==0){System.out.println(“store is empty”);return;}

Else {

For(Video video:store){if(video.getname().equals(name)){video.doreturn();}}}}

Public void receiverating(Stringname, int rating){if(store==null||store.length==0){

System.out.println(“store is empty”);return;}

Else{

For(Video video:video){ifvideo.getname().equals(name)){video.receiverating(rating);}}}}

Public void listinventory(){if(store==null||store.length==0){

System.out.println(“store is empty”);return;}

//@main videolauncher class

//Class main extends videostore,video throw EXCEPTION(){

Public class videolauncher{

Public static void main(String args){

Scanner sc=new Scanner(System.in);

Videostore store=new videostore();

Int choice=0;