```
classes:
will  test  th e fun ction ality o fy ou roth er two  classe s.
import j av a.u til .Hash M ap ;
import j av a.u til .Map;
import j av a.u til .Scann er;
p ub lic  cla ssVideoRen tal Sto re {
sta ti c cla ssMov ie {
Strin g  tit le;
in t a vailab leCop ie s;
d o ub le  rating; // IM Db rat in g
Strin g  revie w;// M ov ie revie w
d o ub le  ren tal Price ; // Pric eto  ren t the mo vie
ren talPrice) {
th is.tit le =ti tle;
th is.av ailab leCopi es =av ailab leCo pie s;
th is.rating =rating;
th is.revie w= rev ie w;
th is.rentalPrice  = ren tal Price;
}
p u b lic b oo lean  ren tM ov ie(){
if (av ai lableCopi es >0 ){
;
retu rn tru e;
}
retu rn false;
}
p u b lic v oid  return M ov ie(){
av ailab leCopie s++;
}
p u b lic  String  toString() {
" ,Pric e:  $"+ren talPric e +",Re vie w: " + rev iew + ")";
}
}
p riv ate Map <String ,M ov ie> inven to ry = ne wHashM ap <>();
ren talPrice) {
if (in v en to ry.con tain sKey (tit le)){
M o vie  mov ie = in v en to ry.g et (ti tle);
mov ie .avai lab leCop ies += co pie s; //  Up dat eavai lable copi es
} else  {
in v en to ry.p ut(ti tle,n ew Mov ie (ti tle, co pie s,rating, review,ren talPric e));
}
Syst em.o ut.p rintl n ("Mov ie added : "+ti tle);
}
p u b lic  vo id  display Mo vie s() {
n Mov ie sin  Inven to ry:");
if (in v en to ry.isEmp ty ()){
Syst em.ou t.prin tln ("No mov ies avai lable  in  th e in ventory .");
retu rn;
}
for (M o v ie  mo vie  : in vento ry .values()){
Syst em.ou t.prin tln (mo vie );
}
}
p u b lic  vo id  ren tMo vie (Strin g  title) {
M o v ie mov ie =invento ry.get (tit le);
if (mov ie  !=n ull &&movie .rentMov ie ()){
Syst em.ou t.prin tln ("You  hav e su cce ssfu lly  ren ted: " + ti tle );
Syst em.ou t.prin tln ("Ren tal  Price: $ " + mo v ie.renta lPrice );
} else  {
```

```
Syst em.ou t.prin tln ("Sorry, " + ti tle + " is no t av ail ab le fo rren t.");
}
}
p u b lic  vo id  returnM ov ie (String t itle){
M o v ie mov ie =invento ry.get (tit le);
if (mov ie  !=n ull) {
mov ie .retu rnM ov ie ();
Syst em.ou t.prin tln ("You  hav e su cce ssfu lly  retu rn ed : "+ti tle);
} else  {
Syst em.ou t.prin tln ("The mov ie  "+ti tle + " do es no tex ist in o u rin vento ry .");
}
}
p u b lic  static vo id mai n (String[]arg s){
Scan n er scanner=n ew Sca n ner(Sy ste m.in );
Vid eo RentalSt ore sto re = ne wVid eoRe ntalSto re();
whi le  (true) {
n =====Vid eo  Ren tal  Sto re =====");
Syst em.ou t.prin tln ("1 .Add  Mo vie");
Syst em.ou t.prin tln ("2 .Display Mo vie s");
Syst em.ou t.prin tln ("3 .Rent Movie");
Syst em.ou t.prin tln ("4 .Return Mov ie ");
Syst em.ou t.prin tln ("5 .Ex it ");
Syst em.ou t.prin t("Ente ryo u rcho ice : ");
in t ch oic e =sca nn er.nextInt();
sca n ner.nex tLi ne();
swit ch  (choice) {
Syst em.o ut.p rin t("Ente rmovie  title: ");
Strin g  titl e =scann er.nex tLin e();
Syst em.o ut.p rin t("Ente rnu mb er of co pie s: ");
in t c op ies =sca nn er.nex tIn t();
Syst em.o ut.p rin t("Ente rIMDb rat in g  (ou to f1 0 ): ");
d o u ble  rat in g  = scanne r.nextDou ble ();
sca n n er.n ex tLine(); / / Co n sume n ewline
Syst em.o ut.p rin t("Ente rreview: ");
Strin g  rev iew = scanne r.nextLin e();
Syst em.o ut.p rin t("Ente rrental  price : ");
d o u ble  ren tal Price  = scan ner.nex tDou ble ();
sca n n er.n ex tLine();
sto re.add Mo vie (title, copies, rat ing, revie w, ren talPric e);
b reak ;
sto re.di sp layMov ie s();
b reak ;
Syst em.o ut.p rin t("Ente rmovie  title to  ren t: ");
ti tl e =scanne r.n ex tLin e();
sto re.ren tM ov ie(titl e);
b reak ;
Syst em.o ut.p rin t("Ente rmovie  title to  retu rn : ");
ti tl e =scanne r.n ex tLin e();
sto re.ret u rnMov ie (ti tle );
b reak ;
Goo dby e!");
sca n n er.cl o se();
retu rn;
Syst em.o ut.p rin tln ("Invalid  ch oic e, please try  again.");
}
}
}
}
```