Write a Java program to create inner classes

Program:

//regular inner class

**package** com.mphasis.training;

**public** **class** RegularInnerClassDemo {

**public** **static** **void** main(String[] args) {

//new Outer().met();

//Outer out=new Outer();

//Outer.Inner ref=out.new Inner();

//ref.in();

//Outer.Inner ref=new Outer().new Inner();

//ref.in();

**new** Outer().**new** Inner().in();

//Outer.Inner odj=new Outer.Inner();

//obj.met();//error

}

}

**class** Outer {

**static** **int** *val*=67;//Outer.this method

**class** Inner {

**int** val=68;//this keyword

**void** in(){

**int** val=50;//normal call

System.***out***.println("inner's inside class...");

System.***out***.println("accessing inner class value:"+val);

System.***out***.println("accessing outer class value:"+**this**.val);

System.***out***.println("accessing the outer:"+Outer.**this**.*val*);

}

}

//public void met()

// Inner ref=new Inner();

// ref.in();

}

Output:

inner's inside class...

accessing inner class value:50

accessing outer class value:68

accessing the outer:67

//AnnonymousInnerClassDemo

**package** com.mphasis.training.inner;

**public** **class** AnnonymousInnerClassDemo {

**public** **static** **void** main(String[] args) {

Remote remo=**new** Remote() {

**public** **void** WorkFromHome() {

System.***out***.println("smart,cool.less verbose");

}

};

remo.WorkFromHome();

}

}

**interface** Remote {

**void** WorkFromHome();

}

Output:

smart,cool.less verbose

//MethodInnerClass

**package** com.mphasis.training.inner;

**public** **class** MethodInnerClass {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**new** Outer().func();

}

}

**class** Outer{

**final** **int** VAL=89;

**int** LEN=56;//after java 8.0 effectively final varibale

**void** func() {

**boolean** flag;

flag=**false**;

**class** Inner{

**void** in() {

System.***out***.println("inside inner class:"+LEN);

System.***out***.println(flag);

}

}

**new** Inner().in();

}

}

Output:

inside inner class:56

false