**Practice-Project7**

**Inner classes**

**Source code:**

**public** **class** innerClassAssisted1 {

**private** String msg="Welcome to Java";

**class** Inner{

**void** hello(){System.***out***.println(msg+", Let us start learning Inner Classes");}

}

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

innerClassAssisted1 obj=**new** innerClassAssisted1();

innerClassAssisted1.Inner in=obj.**new** Inner();

in.hello();

}

}

**public** **class** innerClassAssisted2 {

**private** String msg="Inner Classes";

**void** display(){

**class** Inner{

**void** msg(){

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

}

}

Inner l=**new** Inner();

l.msg();

}

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

innerClassAssisted2 ob=**new** innerClassAssisted2 ();

ob.display();

}

}

//anonymous inner class

**abstract** **class** AnonymousInnerClass {

**public** **abstract** **void** display();

}

**public** **class** innerClassAssisted3 {

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

AnonymousInnerClass i = **new** AnonymousInnerClass() {

**public** **void** display() {

System.***out***.println("Anonymous Inner Class");

}

};

i.display();

}

}

**Output:**

Welcome to Java, Let us start learning Inner Classes

Inner Classes

Anonymous Inner Class