**Client**

package mid\_term\_exam\_program;

/\*\*

\* \* \* @author gawitt

\*/

public class Mid\_term\_Exam\_program{

/\*\*

\* \* @param args the command line arguments

\*/

public static void main(String[] args) {

IUS\_Basketball player1 = new IUS\_Basketball("Gideon", false, 34);

player1.display();

System.out.println(player1);

}// main

}// class

**Object:**

package mid\_term\_exam\_program;

/\*\*

\* \* \* @author gawitt

\*/

public class IUS\_Basketball {

// attributes

// private attributes for name, starter, and number

private String name;

private boolean starter;

private int number;

IUS\_Basketball(){}

//no argument constructor

IUS\_Basketball(String a, boolean b, int c){

name = a;

starter = b;

number = c; }

// three argument constructor

public String getName(){

return name;

}// accessor to reveal private attributes name of the player.

public void setname(String a){

name = a; }

// mutator to set name of the player.

@Override

public String toString(){

return "Player's name: " + name + " their number is:" + number ;

}

// overide to string

public void display(){

System.out.println ("========================");

System.out.println (" name:" + name );

System.out.println (" Starter:" + starter );

System.out.println (" number:" + number );

System.out.println ("========================");

}// Display Method to reveal all of the information about the player

}// Class

**Runtime:**

run:

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name:Gideon

Starter:false

number:34

========================

Player's name: Gideon their number is:34

BUILD SUCCESSFUL (total time: 0 seconds)