package lab01;

/\*\*

\* Defines a Player object with values for name, position, whether or not they

\* are a starter, and number.

\* @author Jaden Young

\*/

public class Player {

//instance variables

private String name;

private String position;

private boolean starter;

private int number;

/\*\*

\* Constructs a new Player object with values for all of the fields

\* @param xName Name of the player

\* @param xPosition Position of the player

\* @param xStarter True if player is a starter, false if not

\* @param xNumber The player's number

\*/

public Player(String xName, String xPosition,

boolean xStarter, int xNumber){

name = xName;

position = xPosition;

starter = xStarter;

this.setNumber(xNumber);

}

//accessor methods---------------------------------

/\*\*

\* Returns the name of the player

\* @return Name of the player

\*/

public String getName() {

return name;

}

/\*\*

\* Returns the position of the player

\* @return Position of the player

\*/

public String getPosition() {

return position;

}

/\*\*

\* Tells whether or not the player is a starter

\* @return True if player is a starter, false if not

\*/

public boolean getStarter() {

return starter;

}

/\*\*

\* Returns the number of the player

\* @return Player's number

\*/

public int getNumber() {

return number;

}

//mutator methods -------------------------

/\*\*

\* Sets the name of the player

\* @param xName New name for the player

\*/

public void setName(String xName) {

name = xName;

}

/\*\*

\* Sets the position of the player

\* @param xPosition New position for the player

\*/

public void setPosition(String xPosition) {

position = xPosition;

}

/\*\*

\* Sets whether or not the player is a starter

\* @param xStarter True if player is a starter, false if not

\*/

public void setStarter(boolean xStarter) {

starter = xStarter;

}

/\*\*

\* Sets the number of the player.

\* Number must be an integer 1-99, else throws exception

\* @param xNumber

\*/

public final void setNumber(int xNumber) {

if (xNumber > 0 && xNumber < 100)

number = xNumber;

else

throw new IllegalArgumentException("Number must be a "

+ "whole number 1-99");

}

}

run:

Name: Kevin Martin

Position: Guard

Starter: true

Number: 23

Name: Nikola Pekovic

Position: Center

Starter: true

Number: 14

Name: Ricky Rubio

Position: Guard

Starter: true

Number: 9

Name: Andrew Wiggins

Position: Forward

Starter: true

Number: 22

Name: Thaddeus Young

Position: Forward

Starter: true

Number: 33

Name: Mo Williams

Position: Guard

Starter: false

Number: 25

Name: Shabazz Muhammad

Position: Forward

Starter: false

Number: 15

Name: Miroslav Raduljica

Position: Center

Starter: false

Number: 13

Name: Anthony Bennett

Position: Forward

Starter: false

Number: 24

Name: Chase Budinger

Position: Forward

Starter: false

Number: 10

Name: Tory Daniels

Position: Guard

Starter: false

Number: 30

Name: Robbie Humel

Position: Forward

Starter: false

Number: 4

Name: Gorgui Dieng

Position: Center

Starter: false

Number: 5

BUILD SUCCESSFUL (total time: 0 seconds)



