**Lab Assignment 4**

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**Class: SP20-BSE-3B**

**Registration no: SP20-BSE-061**

package lab4;

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\* @author abc

\*/

public class HotDogStand {

private int stand\_ID;

private int hotDogs\_Sold;

private static int total\_HotDogsSold = 0;

public HotDogStand()

{

stand\_ID = 0;

hotDogs\_Sold = 0;

}

public HotDogStand(int newStandID, int newHotDogsSold)

{

stand\_ID = newStandID;

hotDogs\_Sold = newHotDogsSold;

total\_HotDogsSold += newHotDogsSold;

}

public void justSold()

{

hotDogs\_Sold++;

total\_HotDogsSold++;

}

public int getHotDogsSold()

{

return hotDogs\_Sold;

}

public static int getTotalHotDogsSold()

{

return total\_HotDogsSold;

}

public int getStandsID()

{

return stand\_ID;

}

public void display(){

System.out.println("\nTotal number of hot dogs sold by all hot dog stands: " + HotDogStand.getTotalHotDogsSold());

}

}

package lab4;

/\*\*

\*

\* @author abc

\*/

public class Lab4 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

// TODO code application logic here

HotDogStand hot\_dog1 = new HotDogStand(101, 8);

HotDogStand hot\_dog2 = new HotDogStand(102,12);

HotDogStand hot\_dog3 = new HotDogStand(103, 15);

hot\_dog1.justSold();

hot\_dog1.justSold();

hot\_dog1.justSold();

hot\_dog2.justSold();

hot\_dog2.justSold();

hot\_dog3.justSold();

hot\_dog3.justSold();

hot\_dog3.justSold();

System.out.print("Hot Dog Stand 1 ID: ");

System.out.print(hot\_dog1.getStandsID());

System.out.print("\nFirst Stand Hot Dog Sold: ");

System.out.print(hot\_dog1.getHotDogsSold());

System.out.print("\nHot Dog Stand 2 ID: ");

System.out.print(hot\_dog2.getStandsID());

System.out.print("\nSecond Stand Hot Dog Sold: ");

System.out.print(hot\_dog2.getHotDogsSold());

System.out.print("\nHot Dog Stand 3 ID: ");

System.out.print(hot\_dog3.getStandsID());

System.out.print("\nThird Stand Hot Dog Sold: ");

System.out.print(hot\_dog3.getHotDogsSold());

hot\_dog1.display();

}

}