**Name: Bilal Ahmad**

Runner class:

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\*/

package runner5;

/\*\*

\*

\* @author Bilal

\*/

public class Runner5 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

Pizza piz1=new Pizza("small",2,6,3);

Pizza piz2=new Pizza("medium",1,3,9);

Pizza piz3=new Pizza("large",4,8,1);

System.out.println(piz1.getdiscription(piz1));

System.out.println(piz2.getdiscription(piz2));

System.out.println(piz3.getdiscription(piz3));

// System.out.println("Total price of all the pizzas are "+piz1.calctotal());

}

}

**Pizza class:**

/\*

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\*/

package runner5;

public class Pizza {

public String pizzasize;

public int cheesetoppings;

public int pepperconitoppings;

public int hamtoppings;

public PizzaOrder[] order;

public static int total;

public Pizza (int n){

order=new PizzaOrder[n];

}

Pizza(String pizzasize,int cheesetoppings,int pepperconitoppings,int hamtoppings){

this.pizzasize=pizzasize;

this.cheesetoppings=cheesetoppings;

this.pepperconitoppings=pepperconitoppings;

this.hamtoppings=hamtoppings;

}

public void setpizzasize(String pizzasize){

this.pizzasize=pizzasize;

}

public void setcheesetoppings(int cheesetoppings){

this.cheesetoppings=cheesetoppings;

}

public void setpepperconitoppings(int pepperconitoppings){

this.pepperconitoppings=pepperconitoppings;

}

public void sethamtoppings(int hamtoppings){

this.hamtoppings=hamtoppings;

}

public String getpizzasize(){

return pizzasize;

}

public int getcheesetoppings(){

return cheesetoppings;

}

public int getpepperconitoppings(){

return pepperconitoppings;

}

public int gethamtoppings(){

return hamtoppings;

}

public double calcost(Pizza piz){

if (pizzasize.equals("small")){

return 10+ piz.getcheesetoppings()\*2+piz.gethamtoppings()\*2+piz.getpepperconitoppings()\*2;

}

else if (pizzasize.equals("medium")){

return 12+ piz.getcheesetoppings()\*2+piz.gethamtoppings()\*2+piz.getpepperconitoppings()\*2;

}

else if (pizzasize.equals("large")){

return 14+ piz.getcheesetoppings()\*2+piz.gethamtoppings()\*2+piz.getpepperconitoppings()\*2;

}

return 0;

}

public String getdiscription(Pizza piz){

String n="Price of the pizza of size "+piz.getpizzasize()+" with cheesetoppings of "+

piz.getcheesetoppings()+" ,hamtoppings of "+piz.gethamtoppings()+" ,pepperconnitoppings of "

+piz.getpepperconitoppings()+" is "+piz.calcost(piz)+"$";

return n;

}

}