**LAB ASSIGNMENT 7**

package runnerr;

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\* @author IT SYSTEMS

\*/

public class Runnerr {

/\*\*

\* @param args the command line arguments

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public static void main(String[] args) {

System.out.println("Maximum number of orders placed is 3");

Pizza pizza\_1 = new Pizza("Small",5,6,1);

System.out.println(pizza\_1.getDescription() + " Rs." + pizza\_1.CalculateCost());

Pizza pizza\_2 = new Pizza();

pizza\_2.setPizza\_size("Large");

pizza\_2.setNo\_of\_cheeseToppings(5);

pizza\_2.setNo\_of\_pepperoniToppings(8);

pizza\_2.setNo\_of\_hamToppings(2);

System.out.println(pizza\_2.getDescription() + " Rs." + pizza\_2.CalculateCost());

Pizza pizza\_3 = new Pizza("Medium",6,5,4);

System.out.println(pizza\_3.getDescription() + " Rs." + pizza\_3.CalculateCost());

PizaaOrder pizaaOrder\_1 = new PizaaOrder(pizza\_1);

PizaaOrder pizaaOrder\_2 = new PizaaOrder(pizza\_2);

PizaaOrder pizaaOrder\_3 = new PizaaOrder(pizza\_3);

System.out.println("total bill= " + PizaaOrder.calculateTotal());

}

}

**Pizza class**

public class Pizza {

private String pizza\_size;

private int no\_of\_cheeseToppings;

private int no\_of\_pepperoniToppings;

private int no\_of\_hamToppings;

public Pizza(){

}

public Pizza(String size\_of\_pizza, int cheese\_toppings, int pepperoni\_toppings, int ham\_toppings){

this.pizza\_size = size\_of\_pizza;

this.no\_of\_cheeseToppings = cheese\_toppings;

this.no\_of\_pepperoniToppings = pepperoni\_toppings;

this.no\_of\_hamToppings = ham\_toppings;

}

public void setPizza\_size(String pizza\_size) {

this.pizza\_size = pizza\_size;

}

public String getPizza\_size() {

return pizza\_size;

}

public void setNo\_of\_cheeseToppings(int no\_of\_cheeseToppings) {

this.no\_of\_cheeseToppings = no\_of\_cheeseToppings;

}

public int getNo\_of\_cheeseToppings() {

return no\_of\_cheeseToppings;

}

public void setNo\_of\_pepperoniToppings(int no\_of\_pepperoniToppings) {

this.no\_of\_pepperoniToppings = no\_of\_pepperoniToppings;

}

public int getNo\_of\_pepperoniToppings() {

return no\_of\_pepperoniToppings;

}

public void setNo\_of\_hamToppings(int no\_of\_hamToppings) {

this.no\_of\_hamToppings = no\_of\_hamToppings;

}

public int getNo\_of\_hamToppings() {

return no\_of\_hamToppings;

}

public double CalculateCost(){

if (pizza\_size == "Small"){

double pizza\_cost = 10 + ((2 \* no\_of\_cheeseToppings) + (2 \* no\_of\_pepperoniToppings)

+ (2 \* no\_of\_hamToppings));

return pizza\_cost;

}

else if(pizza\_size == "Medium"){

double pizza\_cost = 12 + ((2 \* no\_of\_cheeseToppings) + (2 \* no\_of\_pepperoniToppings)

+ (2 \* no\_of\_hamToppings));

return pizza\_cost;

}

else if(pizza\_size == "Large"){

double pizza\_cost = 14 + ((2 \* no\_of\_cheeseToppings) + (2 \* no\_of\_pepperoniToppings)

+ (2 \* no\_of\_hamToppings));

return pizza\_cost;

}

return 0;

}

public String getDescription(){

return ("You ordered " + pizza\_size + " pizza with " + no\_of\_cheeseToppings +

" cheese\_toppings," + no\_of\_pepperoniToppings + " pepperoni\_toppings and "

+ no\_of\_hamToppings + " ham\_toppings");

}

}

**PizaaOrder class**

package runnerr;

/\*\*

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\* @author IT SYSTEMS

\*/

public class PizaaOrder {

static Pizza[] p1 = new Pizza[3];

private static int x = 0;

public PizaaOrder(Pizza pizza){

p1[x] = pizza;

x++;

}

public static double calculateTotal() {

double Bill = 0;

for(int y = 0; y < x ; y++){

Double Bill1 = p1[y].CalculateCost();

Bill = Bill + Bill1 ;

}

return Bill;

}

}

