import java.util.Scanner;

import java.text.NumberFormat;

public class PizzaOrder{

public static void main(String[] args){

Scanner scan = new Scanner (System.in);

String firstName; //user's first name

boolean discount = false; //flag, true if user is eligible for discount

int inches; //size of the pizza

char crustType; //code for type of crust

String crust = "Hand-tossed"; //name of crust

double cost = 12.99; //cost of the pizza

final double TAX\_RATE = .08; //sales tax rate

char choice; //user's choice

String input; //user input

String toppings = "Cheese "; //list of toppings

int numberOfToppings = 0; //number of toppings

//prompt user and get first name

System.out.println("Welcome to Mike and Diane's Pizza");

System.out.print("Enter your first name: ");

firstName = scan.nextLine();

//determine if user is eligible for discount by

//having the same first name as one of the owners

//prompt user and get pizza size choice

System.out.println("Pizza Size (inches) Cost");

System.out.println(" 10 $10.99");

System.out.println(" 12 $12.99");

System.out.println(" 14 $14.99");

System.out.println(" 16 $16.99");

System.out.println("What size pizza would you like?");

System.out.print("10, 12, 14, or 16 (enter the number only): ");

inches = scan.nextInt();

if (inches != 12 && inches != 14 && inches != 16 && inches != 10){

System.out.println("That's not a valid size.");

System.out.println("Screw you");

System.out.println("You get a small one, 12 inch");

inches = (12);

}

cost = (inches + .99);

if (firstName.equalsIgnoreCase("Diane") || firstName.equalsIgnoreCase("Mike"))

{

discount = true;

System.out.println("You get a $2.00 discount!");

cost = cost-2;

}

//set price and size of pizza ordered using "if" statements

//prompt user and get crust choice, store first character of

//input string into a primitive type "char" variable.

System.out.println("What type of crust do you want? ");

System.out.print("(H)Hand-tossed, (T) Thin-crust, or " +

"(D) Deep-dish (enter H, T, or D): ");

input = scan.next();

crustType = input.charAt(0);

//set user's crust choice on pizza ordered

//ADD LINES FOR TASK #2

//prompt user and get topping choices one at a time

System.out.println("All pizzas come with cheese.");

System.out.println("Additional toppings are $1.25 each,"

+" choose from");

System.out.println("Pepperoni, Sausage, Onion, Mushroom");

//if topping is desired,

//add to topping list and number of toppings

System.out.print("Do you want Pepperoni? (Y/N): ");

input = scan.next();

choice = input.charAt(0);

if (choice == 'Y' || choice == 'y')

{

numberOfToppings += 1;

toppings = toppings + "Pepperoni ";

}

System.out.print("Do you want Sausage? (Y/N): ");

input = scan.next();

choice = input.charAt(0);

if (choice == 'Y' || choice == 'y')

{

numberOfToppings += 1;

toppings = toppings + "Sausage ";

}

System.out.print("Do you want Onion? (Y/N): ");

input = scan.next();

choice = input.charAt(0);

if (choice == 'Y' || choice == 'y')

{

numberOfToppings += 1;

toppings = toppings + "Onion ";

}

System.out.print("Do you want Mushroom? (Y/N): ");

input = scan.next();

choice = input.charAt(0);

if (choice == 'Y' || choice == 'y')

{

numberOfToppings += 1;

toppings = toppings + "Mushroom ";

}

//prompt user for Sausage, Onion and Mushroom choices

//add additional toppings cost to cost of pizza

cost = cost + (1.25\*numberOfToppings);

//display order confirmation

System.out.println();

System.out.println("Your order is as follows: ");

System.out.println(inches + " inch pizza");

System.out.println(crust + " crust");

System.out.println(toppings);

//apply discount if user is elibible

//ADD LINES FOR TASK #3 HERE

//EDIT PROGRAM FOR TASK #4

//SO ALL MONEY OUTPUT APPEARS WITH 2 DECIMAL PLACES

System.out.println("The cost of your order is: $" + cost);

//calculate and display tax and total cost

int tax = (int)(100 \* cost \* TAX\_RATE);

double taxfin = tax/100.0;

System.out.println("The tax is: $" + taxfin);

System.out.println("The total due is: $" + (taxfin+cost));

System.out.println("Your order will be ready for pickup in 30 minutes.");

}

}

LAB: GUESSING

import java.util.Scanner;

import java.util.Random;

public class Guess

{

public static void main(String[] args)

{

int numToGuess; //Number the user tries to guess

int guess;

Scanner scan = new Scanner(System.in);

Random gen = new Random();

int rand = (int) ((gen.nextDouble())\*10);

guess = scan.nextInt();

while (guess != rand){

if (guess < rand) System.out.println("Too Low");

else System.out.println("Too High");

guess = scan.nextInt();

}

}

}

LAB: