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/*
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Course: COP3330-0003
Description: Programming assignment 1, making a random receipt for a store
*/


package assignment1;


import java.util.Scanner;


public class Phan_Linh {

    public static void main(String[] args) {

            //create a random receipt number
             int receiptNumber;
             int receiptMin = 1000;
             int receiptMax = 2000;
             receiptNumber = (int) (Math.random() * (receiptMax - receiptMin)) +
receiptMin;
             System.out.println("*******************************\n****** S Store
***************\n*****************************");
             System.out.println("receipt number      " + receiptNumber);

             //create a random month number
             int monthNumber;
             String monthName = "";
             int monthMin = 1;
             int monthtMax = 12;
             monthNumber = (int) (Math.random() * (monthtMax - monthMin + 1)) +
monthMin;

             //converting month number into word
             if (monthNumber == 1) {
                   monthName = "January";
             } else if (monthNumber == 2) {
                   monthName = "February";
             } else if (monthNumber == 3) {
                   monthName = "March";
             } else if (monthNumber == 4) {
                   monthName = "April";
             } else if (monthNumber == 5) {
                   monthName = "May";
             } else if (monthNumber == 6) {
                   monthName = "June";
             } else if (monthNumber == 7) {
                   monthName = "July";
             } else if (monthNumber == 8) {
                   monthName = "August";
             } else if (monthNumber == 9) {
                   monthName = "September";
             } else if (monthNumber == 10) {
                   monthName = "October";
             } else if (monthNumber == 11) {
                   monthName = "November";
             } else if (monthNumber == 12) {
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                monthName = "December";
        }

        //create a random day number
        int dayNumber;
        int dayMin = 1;
        int dayMax = 28;
        dayNumber = (int) (Math.random() * (dayMax - dayMin + 1)) + dayMin;

        //create a random year number
        int yearNumber;
        int yearMin = 1900;
        int yearMax = 2100;
        yearNumber = (int) (Math.random() * (yearMax - yearMin)) + yearMin;

        System.out.println(monthName + " " + dayNumber + " " + yearNumber);

        //taking in user's items input

        Scanner scan = new Scanner(System.in);
        String item = "";
        int itemNumber = 0;
        double total = 0;

        //loop to scan user input
        while (!item.equals("DONE")) {
                //scanning item name
                System.out.print("Write item name ");
                item = scan.nextLine();
                if (item.compareTo("DONE") == 0) {
                        break;
                }
                itemNumber++;

                //capitalizing first letter of items
                item = item.substring(0, 1).toUpperCase() + item.substring(1);

                //scanning item price
                System.out.print("Write price ");
                float price = scan.nextFloat();
                scan.nextLine();

                //figuring out what item to tax and what items that are tax free
(food)
                if (item.compareTo("food") == 0 || item.compareTo("Food") == 0)
{
                        price = Math.round(price);
                        System.out.println("item number " + itemNumber + " " +
item + " " + price);
                        total = total + price;
                }
                else {
                        float taxed = (float) (price*1.3);
                        taxed = Math.round(taxed);
                        System.out.println("item number " + itemNumber + " " +
item + " " + taxed);
                        total = total + taxed;
                }
        }
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            System.out.println(itemNumber + " items      total " + total);
            scan.close();

        }

}
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