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//Author: Samuele Joshi, Date: 26/09/2019
//Description: Gives out information about which stations have toilets & its cost.
//Import Scanner used to ask user for input.
import java.util.Scanner;
//Name of class must be the same as the file name.
public class Main {
   //Public - method is visible, Static - method associated with class, Void - no return value.
   public static void main(String[] args) {
      decisionMaking(); //Initialises the method decisionMaking.
      System.exit(0); //Terminates program.
   }
   /*Method: Ask user for train station (input), if statements decide if input entered is valid or not.
   if input is valid it will initialise the station method which has been asked by the user.*/
   public static void decisionMaking(){
      Scanner userInput = new Scanner (System.in); //User input.
      System.out.print("Train Station: "); //Prints out the statement.
      String search = userInput.nextLine(); //User input processed here.

      if (search.equals("Stepney Green")){
         stepneyGreenInfo();
      } else if (search.equals("Kings Cross")){
         kingsCrossInfo();
      } else if (search.equals("Green Park")){
         greenParkInfo();
      } else if (search.equals("Oxford Circus")){
         oxfordCircusInfo();
      } else{
         System.out.println("Is " + search + " a London Underground Station? Check your spelling.");
         decisionMaking(); //if user input invalid, user will be start from the top asking the same
question again.
      }
   }//Contains station details. Prints out station details. Applies to all stations.
   public static void stepneyGreenInfo(){
      Station stepneyGreen = new Station(); //Creating a new Station with this line assigning data
values to make a station.
      stepneyGreen.stationName = "Stepney Green";
      stepneyGreen.toilet = false; //If false or true friendly message will appear depending on boolean
value.
      stepneyGreen.cost = 0;
      System.out.println(stepneyGreen.stationName + createToiletRes(stepneyGreen));
   }

   public static void kingsCrossInfo(){
      Station kingsCross = new Station();
      kingsCross.stationName = "Kings Cross";
      kingsCross.toilet = true;
      kingsCross.cost = 10;
      System.out.println(kingsCross.stationName + createToiletRes(kingsCross) + kingsCross.cost +
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"p.");
   }

   public static void greenParkInfo(){
      Station greenPark = new Station();
      greenPark.stationName = "Green Park";
      greenPark.toilet = true;
      greenPark.cost = 30;
      System.out.println(greenPark.stationName + createToiletRes(greenPark) + greenPark.cost +
"p.");
   }

   public static void oxfordCircusInfo(){
      Station oxfordCircus = new Station();
      oxfordCircus.stationName = "Oxford Circus";
      oxfordCircus.toilet = false;
      oxfordCircus.cost = 0;
      System.out.println(oxfordCircus.stationName + createToiletRes(oxfordCircus)); //Print out
information to user.
   }
   //Using parameters to pass data around. In this code I assign a friendly message to true or false.
   //If toilets are available or not available, friendly message will be printed in each station method.
   public static String createToiletRes (Station st){
      if (doesStationtoilet(st)){
         return " does have a toilet costing ";
      }
      else {
         return " does not have a toilet.";
      }
   }
   public static  boolean doesStationtoilet (Station st) {
      return st.toilet;
   }
}
//Creating records which then are refered later on. Station name, toilet: true or false, cost: the
amount they charge.
class Station {
   String stationName;
   boolean toilet;
   int cost;
}
```