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import java.io.*;
import java.util.*;
import java.text.*;

public class Change1{

    public static void main(String[] args){
        double cost;

        double amount = 0;
        double change;
        double q, n, d, p, t, o, f;
        String breakout = "stop";

        try{
            BufferedReader bReader = new BufferedReader(new InputStreamReader(System.in)) ;
            for (int go=1; go>=0; go--){
                System.out.print("Please enter the amount of the purchase: ");
                String s = bReader.readLine();
                if (s == breakout) break;
                cost = ((Double.valueOf(s).doubleValue()));
                System.out.print("Please enter the amount tendered: ");
                s = bReader.readLine();
                if (s == "stop") break;
                amount = ((Double.valueOf(s).doubleValue()));
                if (amount >= 0){
                    if (cost <= amount){
                        change = (amount-cost);
                        System.out.println("Give the following change ($" +Format.format (change
                            , 2, 1, 1)+" ) :");
                        t = ((change-(change%10))/10);
                        change = change - (10*t);
                        f = ((change-(change%5))/5);
                        change = change - (5*f);
                        o = ((change-(change%1))/1);
                        change = change - (1*o);
                        q = ((change-(change%.25))/.25);
                        change = change - (.25*q);
                        d = ((change-(change%.1))/.1);
                        change = change - (.1*d);
                        n = ((change-(change%.05))/.05);
                        change = change - (.05*n);
                        p = ((change-(change%.01))/.01);
                        change = change - (.01*p);
                        if (change > 0.001) {p = p + 1;}
                        String tens =String.valueOf(t);
                        String five =String.valueOf(f);
                        String ones =String.valueOf(o);
                        String quart =String.valueOf(q);
                        String dimes =String.valueOf(d);
                        String nick =String.valueOf(n);
                        String penn =String.valueOf(p);
                        {if (t>1) System.out.println(Format.format(tens.substring(0, (tens.length
                            ())-2), 3, 1) + " $10 Bills");
                        else if (t>0) System.out.println(Format.format(tens.substring(0, 1), 3,
                            1) + " $10 Bill");
                        }
                        {if (f>1) System.out.println(Format.format(five.substring(0, (five.length
                            ())-2), 3, 1) + " $5 Bills");
                        else if (f>0) System.out.println(Format.format(five.substring(0, 1), 3,
                            1) + " $5 Bill");
                        }
                        {if (o>1) System.out.println(Format.format(ones.substring(0, (ones.length
                            ())-2), 3, 1) + " $1 Bills");
                        else if (o>0) System.out.println(Format.format(ones.substring(0, 1), 3,
                            1) + " $1 Bill");
                        }
                        {if (q>1) System.out.println(Format.format(quart.substring(0, (quart.
                            length()-2), 3, 1) + " Quarters");
                        else if (q>0) System.out.println(Format.format(quart.substring(0, 1), 3,
                            1) + " Quarter");
                        }
                        {if (d>1) System.out.println(Format.format(dimes.substring(0, (dimes.

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        length()-2), 3, 1) + " Dimes");
    else if (d>0) System.out.println(Format.format(dimes.substring(0, 1), 3, 1) + " Dime");
    }
    {if (n>1) System.out.println(Format.format(nick.substring(0, (nick.length()-2), 3, 1) + " Nickles");
    else if (n>0) System.out.println(Format.format(nick.substring(0, 1), 3, 1) + " Nickle");
    }
    {if (p>1) System.out.println(Format.format(penn.substring(0, (penn.length()-2), 3, 1) + " Pennies");
    else if (p>0) System.out.println(Format.format(penn.substring(0, 1), 3, 1) + " Penny");
    }
    }
    else {
        int wid = 6;
        if ((cost-amount)<10) wid = 2;
        if ((cost-amount)<100) wid = 3;
        if ((cost-amount)<1000) wid = 4;
        System.out.println("The amount tendered is $" + Format.format((Math.abs(cost-amount)), 2, wid, 1) + " short.");
    }
}

    }System.out.println("Bye");
}catch(Exception e){System.out.println("Oops! Invalid entry.");}
}
}
```