

Philip Pesic

Week 5

February 19 2023

Week 5 Prog 4

Program 4 – Write the “Will I eat lunch” program (Use Nested If statements).

Declare variables for each criteria. (haveMoney, haveTime, amHungry, restaurantOpen, haveTransportation)

Have the user input the values for each criteria.

Use Nested if statements to determine if user will eat lunch today.

Inform the user why they are or are not having lunch at McDonalds.

```
package prog4;
import java.util.Scanner;

class prog4 {

    public static void main(String[] args) {
        char hasMoney, hasTime, isHungry, restaurantOpen, hasTransportation;
        Scanner input = new Scanner(System.in);

        System.out.println("Do you have money? (Y/N)");
        hasMoney = input.next().charAt(0);

        System.out.println("Do you have Time? (Y/N)");
        hasTime = input.next().charAt(0);

        System.out.println("Are you hungry? (Y/N)");
        isHungry = input.next().charAt(0);

        System.out.println("Is the restaurant open? (Y/N)");
        restaurantOpen = input.next().charAt(0);

        System.out.println("Do you have transportation? (Y/N)");
        hasTransportation = input.next().charAt(0);

        if (hasMoney == 'Y') {
            if (hasTime == 'Y') {
                if (isHungry == 'Y') {
```

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```
        if (restaurantOpen == 'Y') {
            if (hasTransportation == 'Y') {
                System.out.println("You can go get lunch!");
            }
            else {
                System.out.println("You don't have transportation!");
            }
        }
        else {
            System.out.println("The restaurant isn't open!");
        }
    }
    else {
        System.out.println("You're not hungry!");
    }
}
else {
    System.out.println("You don't have time!");
}
}
else {
    System.out.println("You don't have money!");
}

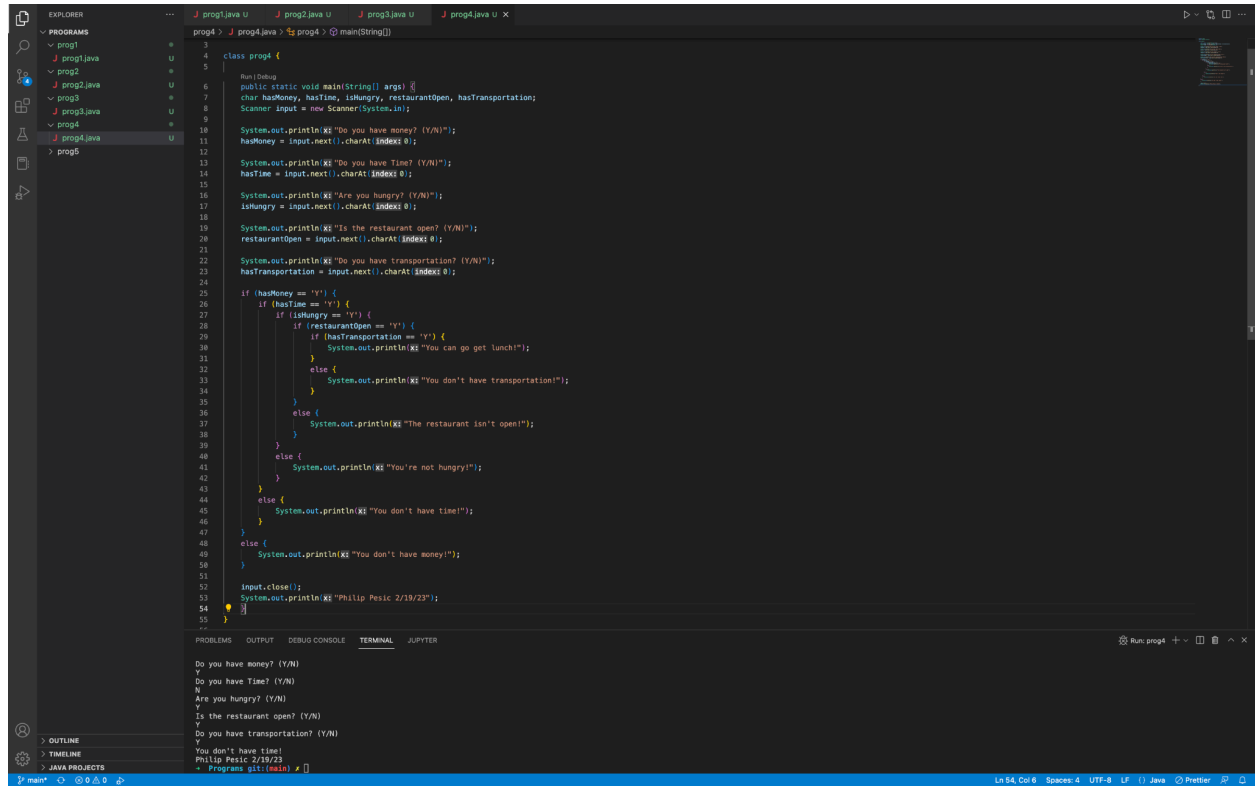
input.close();
System.out.println("Philip Pesic 2/19/23");
}
}
```

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```
1  class prog4 {
2
3      run(debug
4      public static void main(String[] args) {
5          char hasMoney, hasTime, isHungry, restaurantOpen, hasTransportation;
6          Scanner input = new Scanner(System.in);
7
8          System.out.println("Do you have money? (Y/N)");
9          hasMoney = input.next().charAt(0);
10
11          System.out.println("Do you have Time? (Y/N)");
12          hasTime = input.next().charAt(0);
13
14          System.out.println("Are you hungry? (Y/N)");
15          isHungry = input.next().charAt(0);
16
17          System.out.println("Is the restaurant open? (Y/N)");
18          restaurantOpen = input.next().charAt(0);
19
20          System.out.println("Do you have transportation? (Y/N)");
21          hasTransportation = input.next().charAt(0);
22
23          if (hasMoney == 'Y') {
24              if (hasTime == 'Y') {
25                  if (isHungry == 'Y') {
26                      if (restaurantOpen == 'Y') {
27                          if (hasTransportation == 'Y') {
28                              System.out.println("You can go get lunch!");
29                          } else {
30                              System.out.println("You don't have transportation!");
31                          }
32                      } else {
33                          System.out.println("The restaurant isn't open!");
34                      }
35                  } else {
36                      System.out.println("You're not hungry!");
37                  }
38              } else {
39                  System.out.println("You don't have time!");
40              }
41          } else {
42              System.out.println("You don't have money!");
43          }
44          input.close();
45          System.out.println("Philip Pesic 2/19/23");
46      }
47  }
```

Do you have money? (Y/N)
Y
Do you have Time? (Y/N)
N
Are you hungry? (Y/N)
Y
Is the restaurant open? (Y/N)
Y
Do you have transportation? (Y/N)
Y
You don't have time!
Philip Pesic 2/19/23
Programs git:(main) x []

I learned: how to write nested if/else statements