

Philip Pesic

Week 5

February 19 2023

Week 5 Prog 1

Program 1 – Write a program that determines if a person is an adult.

Declare a string variable, firstName.

Declare an integer variable, age.

Asks the user to enter their first name, and store it in the firstName variable.

Asks the user to enter their age in years, and store it in the age variable.

If the age is greater or equal to 18, the print out their name and “you are an adult”

Else print out their name and “you are not an adult”.

```
package prog1;
import java.util.Scanner;

class prog1 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        String firstName;
        int age;

        System.out.println("Enter your name: ");
        firstName = input.nextLine();

        System.out.println("Enter your age: ");
        age = input.nextInt();

        if (age >= 18) {
            System.out.println(firstName + " is an adult");
        }

        else {
            System.out.println(firstName + " is not an adult");
        }
    }
}
```

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```
}

input.close();

System.out.println("Philip Pesic 2/19/22");
}
}
```

The screenshot shows an IDE with a Java file named `prog1.java`. The code defines a `prog1` class with a `main` method. It uses a `Scanner` to read user input for a name and an age. An `if/else` statement checks if the age is 18 or older. If true, it prints that the user is an adult; otherwise, it prints that the user is not an adult. Finally, it prints the name and the current date (2/19/22) before closing the scanner.

```
1 package prog1;
2 import java.util.Scanner;
3
4 class prog1 {
5     public static void main(String[] args) {
6         Scanner input = new Scanner(System.in);
7         String firstName;
8         int age;
9
10        System.out.println("Enter your name: ");
11        firstName = input.nextLine();
12
13        System.out.println("Enter your age: ");
14        age = input.nextInt();
15
16        if (age >= 18) {
17            System.out.println(firstName + " is an adult");
18        }
19
20        else {
21            System.out.println(firstName + " is not an adult");
22        }
23
24        input.close();
25
26        System.out.println("Philip Pesic 2/19/22");
27    }
28 }
```

The terminal output shows the program's execution:

```
+ Programs git:(main) x /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pipipo/Library/Application\ Support/Code/User/workspaceStorage/b7aed9d6157c789582a623e898115a4e/redhat.java/jdt_ws/Programs_b7ab58ab/bin prog1.prog1
Enter your name:
Philip
Enter your age:
16
Philip is not an adult
Philip Pesic 2/19/22
+ Programs git:(main) x
```

I learned: how to use if/else statements