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Thread: [variable help](#)

Woes - November 22, 2016, 5:09 pm

Why when I run this code, the final line of text says Nice "the variable 'day'", instead of "the variable 'name'"?

Code import java.util.Scanner;

```
class MyClass {
    public static void main(String[ ] args) {
        System.out.println("Enter your name");
        Scanner name = new Scanner(System.in);
        System.out.println("Hello " + name.nextLine() + ", What month were you born in?");
        Scanner month = new Scanner(System.in);
        System.out.println("What day of " + month.nextLine() + "? (Ex. 21, 4, 19)");
        Scanner day = new Scanner(System.in);
        System.out.println("Nice " + name.nextLine() + "! You have the same birthday as");

    }
}
```

Stealth™ - November 22, 2016, 5:27 pm

I don't know what your question is, but you only need one instance of a Scanner, not three.

SoyNuevo - November 22, 2016, 5:36 pm

You only need one instance of Scanner, and you should store user input in variables. Your issue has to do with calling name.nextLine() instead of using a variable. For example:

Code Scanner scanner = new Scanner(System.in);

```
System.out.println("Enter a string:");
String string1 = scanner.nextLine();
```

```
System.out.println("Enter another string:");
String string2 = scanner.nextLine();
```

So, you could do something like:

Code Scanner scanner = new Scanner(System.in);

```
System.out.println("Enter your name:");
String name = scanner.nextLine();
```

```
System.out.println("Hello, " + name + ", what month were you born in?");
String month = scanner.nextLine();
```

```
System.out.println("What day of " + month + " were you born in?");
int day = scanner.nextInt();
```

```
System.out.println("Nice, " + name + "! You have the same birthday as");
```

You'll notice I stored the day in an integer using scanner.nextInt() ?

ka\$h - November 22, 2016, 7:35 pm

Because you are not saving the input that the user enters.

```
Code public class JavaApplication1 {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        String name;
        String month;
        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter your name");
        //Saving the users input to String so you can use it later
        name = scanner.nextLine();
        System.out.println("Hello " + name + ", What month were you born in?");
        month = scanner.nextLine();

        System.out.println("What day of " + month + "? (Ex. 21, 4, 19)");
        scanner.nextLine();

        System.out.println("Nice " + name + "! You have the same birthday as");

    }
}
```

Woes - November 22, 2016, 9:22 pm

Got it, oh and shouldn't this work? Why when I put January 1, it still goes to the else statement? I'm a noob dont hate.

```
Code import java.util.Scanner;

class MyClass {
    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter your name:");
        String name = scanner.nextLine();

        System.out.println("Hello, " + name + ", what month were you born in?");
        String month = scanner.nextLine();

        System.out.println("What day of " + month + " were you born in? (Ex. 21, 4, 19)");
        int day = scanner.nextInt();

        if(month == "January" && day == 1) {
            System.out.println("You have the same birthday as Nia Lovelis");
        }
    }
}
```

```

    else {
        System.out.println("test");
    }
}
}

```

ka\$h - November 22, 2016, 9:29 pm

(Nov 22, 2016 10:22 PM)Woes Wrote: [\[CITE\]](#) Got it, oh and shouldn't this work? Why when I put January 1, it still goes to the else statement? I'm a noob dont hate.

Code import java.util.Scanner;

```

class MyClass {
    public static void main(String[ ] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter your name:");
        String name = scanner.nextLine();

        System.out.println("Hello, " + name + ", what month were you born in?");
        String month = scanner.nextLine();

        System.out.println("What day of " + month + " were you born in? (Ex. 21, 4, 19)");
        int day = scanner.nextInt();

        if(month == "January" && day == 1) {
            System.out.println("You have the same birthday as Nia Lovelis");
        }
        else {
            System.out.println("test");
        }
    }
}

```

month is a String therefore to compare it you must use:

Code if(month.equals("January") && day == 1)

throwAway445 - November 26, 2016, 3:01 am

you might want to do a try/catch statement as well for data types/null values:

```

try {
    code here...
}
} catch (InputMismatchException e) {
    System.out.println("Enter a valid value");
}

```

CAFEEEFAC - November 28, 2016, 12:33 pm

(Nov 26, 2016 04:01 AM)throwAway445 Wrote: [\[CITE\]](#) you might want to do a try/catch statement as well for data types/null values:

```

try {
    code here...
}

```

```
}  
} catch (InputMismatchException e) {  
    System.out.println("Enter a valid value");  
}
```

Adding on to that, you could use try-with-resources to ensure that the Scanner object is closed too.