

Variables with underline

[Ask Question](#)

22



3

I'm getting an underline in some variables on Android Studio (in this case on the 'position' variable). I think it's not an error because the application runs perfectly and the compiler passes everything ok. I'm wondering what does that mean?

```
@Override
public boolean onItemClick(AdapterView<?> parent, View view, fi
    AlertDialog.Builder builder = new AlertDialog.Builder(getActiv
    builder.setMessage("Remove movie from list?")
        .setPositiveButton("Remove", new DialogInterface.OnCli
            public void onClick(DialogInterface dialog, int id
                dbw.delete(DatabaseHelper.MOVIES_TABLE_NAME, D
                moviesList.remove(position);
                adapter.notifyDataSetChanged();
            }
        })
    .setNegativeButton("Cancel", null).show();
```



android



android-studio

edited Dec 23 '15 at 21:23

asked Dec 23 '15 at 21:18




Jackowski

1,438 13 21

What IDE are you using? And can you post some more of the code relating to position? – [Theyna](#) Dec 23 '15 at 21:21

@Theyna Android Studio based on IDEA. I am using Android

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).

underlined text when I was not pressing the ctrl key. – [rekire](#)
Dec 23 '15 at 21:26 

Have you checked the warning listing? – [Luke Joshua Park](#)
Dec 23 '15 at 21:32

@rekire I agree with you, I just wanted to confirm that he was using Android Studio, and the edits do so. – [Theyyna](#) Dec 23 '15 at 21:40

Related - stackoverflow.com/questions/51697168/... – [Vadim Kotov](#) Apr 25 at 12:20

4 Answers



19



I believe the underlined variables are representative of constants (final or [effectively final](#)), because in my experience I only see this decoration when I declare a `final` object for use inside an anonymous class. I can't seem to find it in the documentation, though.

edited Apr 19 '18 at 6:49



[Jean-François Corbett](#)

29.1k 22 111 164

answered Dec 23 '15 at 21:29



[Chris Gilardi](#)

531 5 18

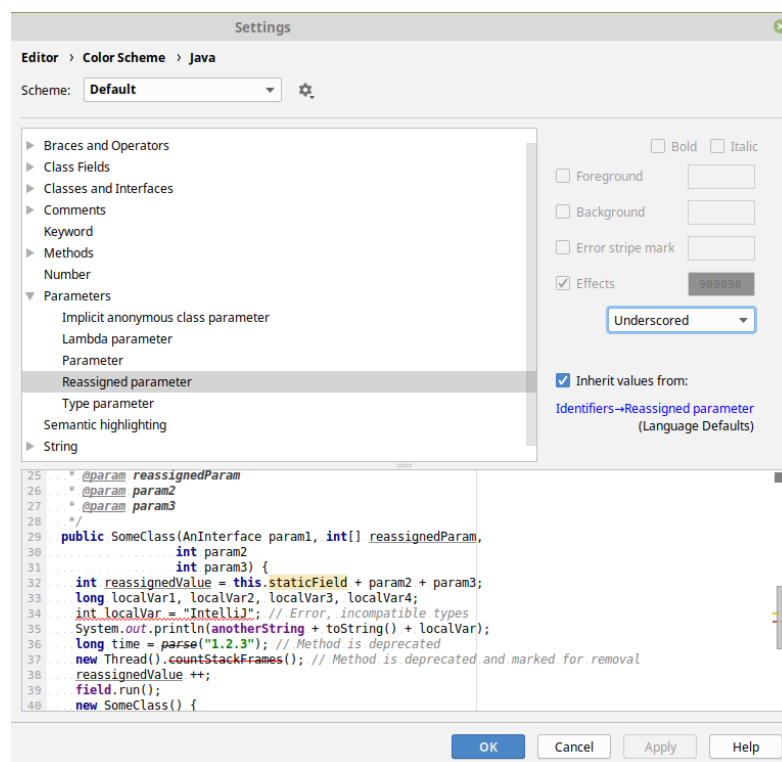
I guess you are right after reviewing some code files I see the same pattern. – [rekire](#) Dec 23 '15 at 21:32

Yeah that's why. Variables declared as final get the underline. Not every one tho... – [Jackowski](#) Dec 23 '15 at 21:34

4 For me it shows even on non-final variables. @sarigalin's answer bellow is correct, it has to do with reassigned

20

It could be a sign of "Reassigned parameter"



answered Aug 1 '18 at 16:09



sarigalin

2,907 1 16 13

- 2 This was the case for me in IntelliJ 2018.2.1. – [Robert Sjö Dahl](#) Aug 9 '18 at 13:51
- 1 The main setting is under Editor -> Language Defaults -> Identifiers -> Reassigned parameters – [Johnny](#) Sep 4 '18 at 13:46

The reassigned marker "Underscored" in Language Defaults is now also used for reassigned variables not only parameters. I made parameters now "Bold Underscored" to even distinguish

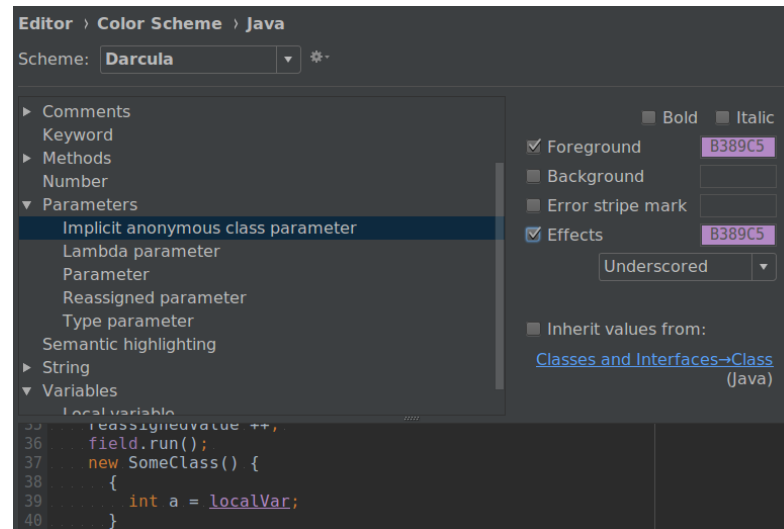
By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).

I've found the answer for this question [here](#).

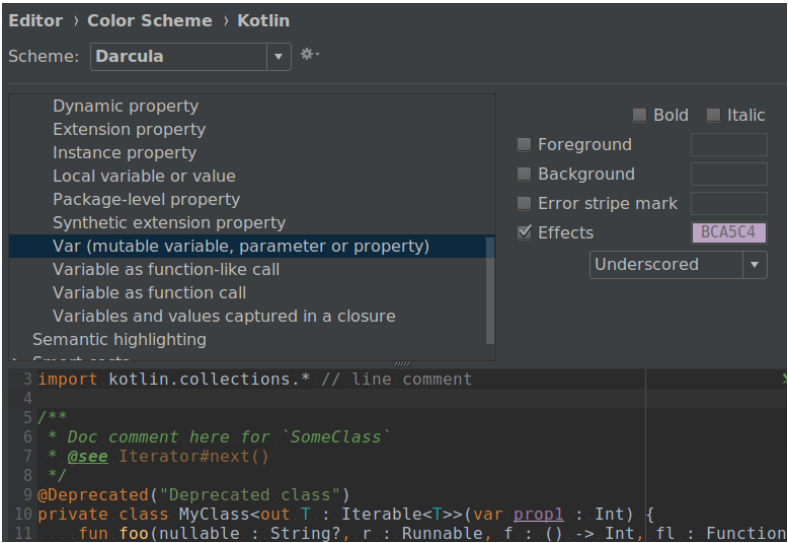
8

The decoration is a syntax highlighting preference. Take a look at `File > Settings > Editor > Color Scheme > Java/Kotlin`

In the case of Java, you can find this effect for example at `Parameters > Implicit anonymous class parameter`. It's the checkbox `Effects`.



The same with Kotlin at `Properties and Variables > Var` (mutable variable, parameter or property).



Home

PUBLIC

 Stack Overflow

Tags

Users

Jobs

Teams

Q&A for work

[Learn More](#)

answered May 10 '18 at 9:00



kalnar

151 3 5

2

This means the variable was declared outside the current method. For example, in this case, `position` is probably declared as a class member outside the `new DialogInterface.OnClickListener()`, in the class where you're implementing the `onItemLongClick()` method.

They are declared like this:

```
public class MyClass{
    private int position;

    // Other code...
}
```

edited Dec 23 '15 at 21:30

By using our site, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy Policy](#), and our [Terms of Service](#).

answered Dec 23 '15 at 21:26



[Eric Brandwein](#)

686 5 18

1 This explains the color, but not why it is underlined. – [rekire](#)
Dec 23 '15 at 21:27

Right, I was mistaken, it's because it's declared as `final`.
Please upvote the answer by @ChrisGilardi – [Eric Brandwein](#)
Dec 23 '15 at 21:32

I placed the first upvote ;-)) – [rekire](#) Dec 23 '15 at 21:33

For what it's worth (question is pretty old), but my class is not
declared as `final` and I still see this behavior. – [Z. Fenton](#) May
30 '17 at 14:41

In this case it means it's effectively `final`, hence changes to the
variable outside of the `onClick` method will not be reflected
inside the method. – [Jon](#) Aug 22 '17 at 13:37
