

Mastery Grids

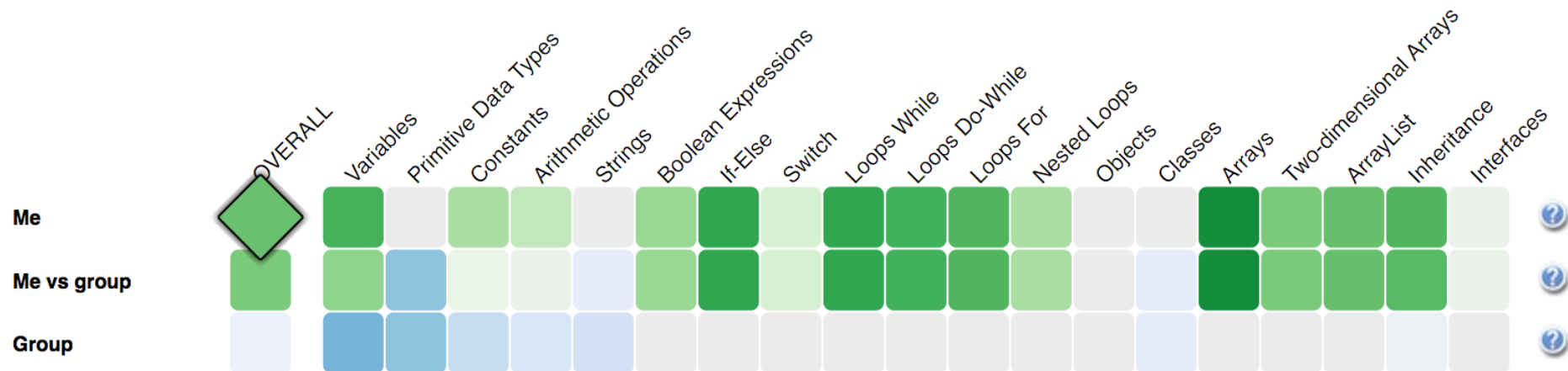
User Manual

(IS0017Spring2017)

PAWS Lab
School Of Information Sciences
University of Pittsburgh

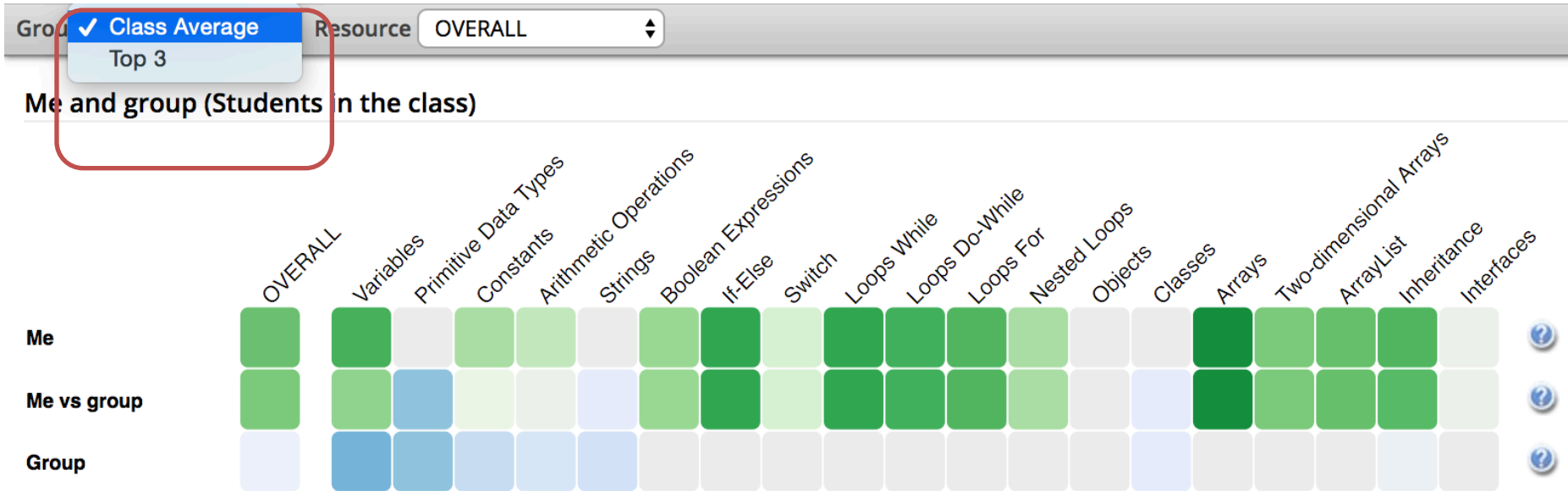
Group Resource

Me and group (Students in the class)



1

Select the group to compare with: all or top x classmates

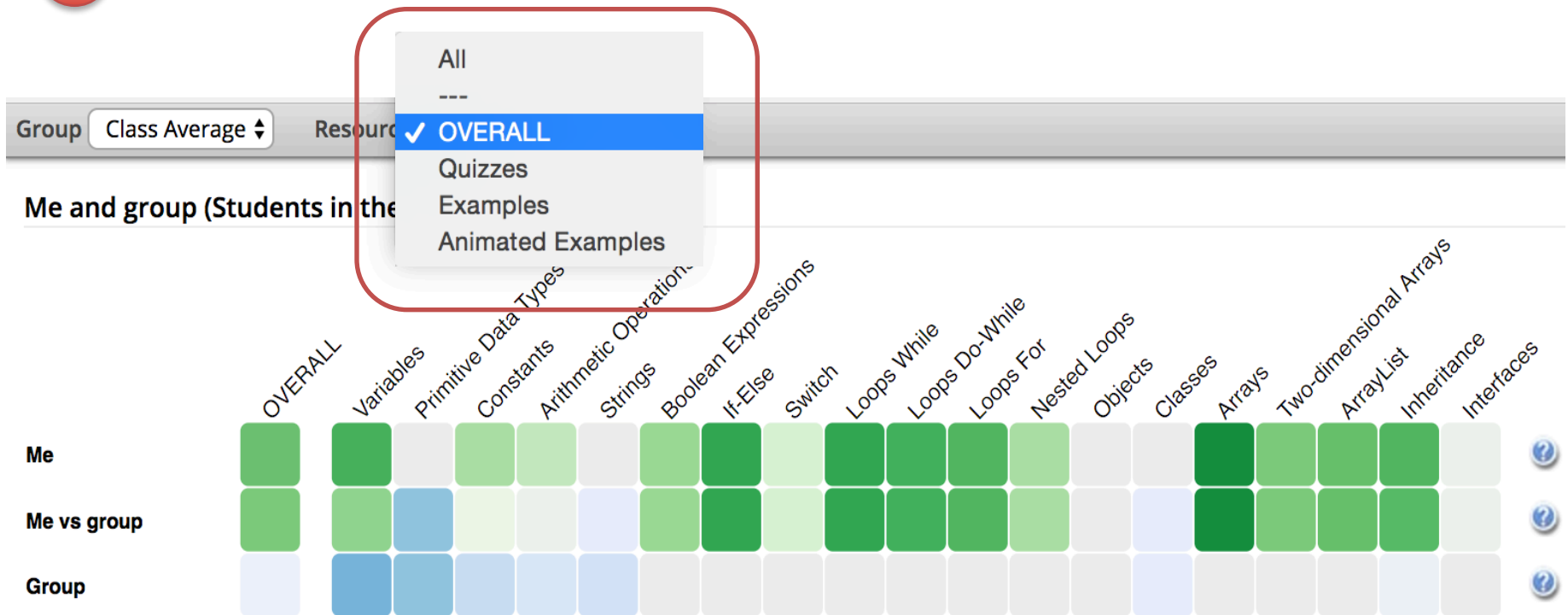


1.1

- **Me** row shows your progress
 - Darker **green** means more progress on that topic
- **Me vs group** row compares your progress with all/top x classmates
 - Darker **green**: you have more progress than the group
 - Darker **blue**: group has more progress than you
 - **grey** means equal progress
- **Group** row shows the average of all /top classmates' progress
 - Darker **blue** means more progress on that topic

2

Select which type of resource progress is displayed in the grids



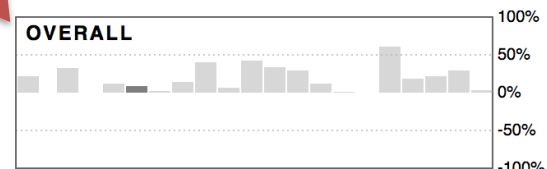
- **All** displays progress averaging across examples and quizzes
- **OVERALL** shows progress according to both examples and quizzes
- **Examples** shows progress only on examples
- **Quizzes** shows progress only on quizzes (interactive questions)

Me and group (Students in the class)



3.2

See progress by histogram on all topics



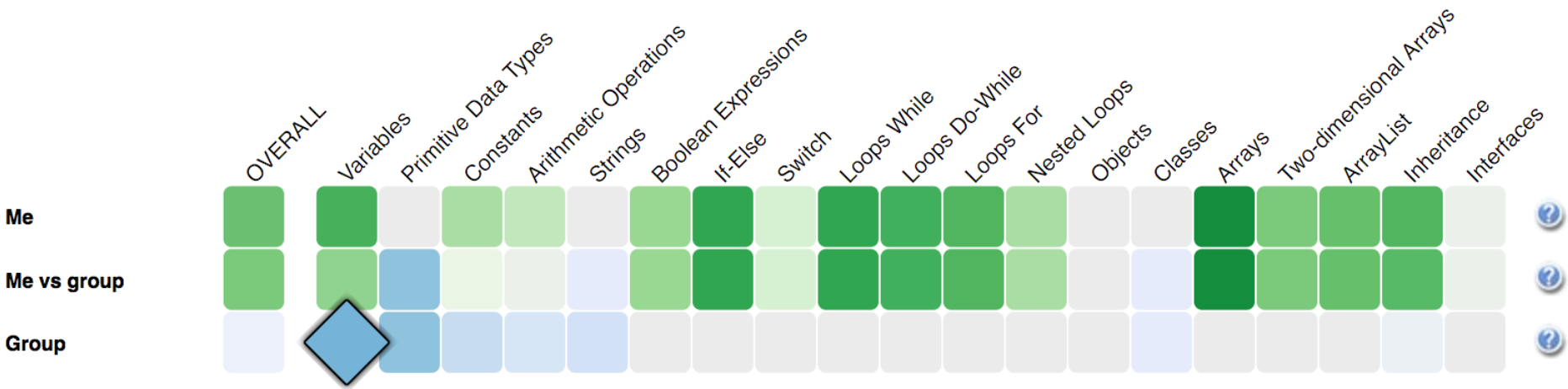
3 Roll the mouse cursor over the a topic cell on **Me** row

3.1 You can see your progress percentage on the topic when putting the cursor over the cell for a few seconds

4

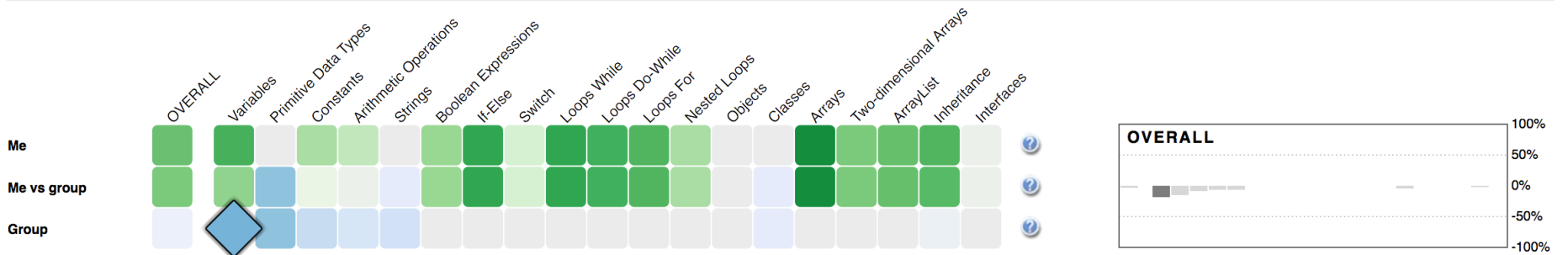
Help explains the colors (darker means more progress)

Me and group (Students in the class)



5 Roll the mouse cursor over the a topic cell on **Group** row

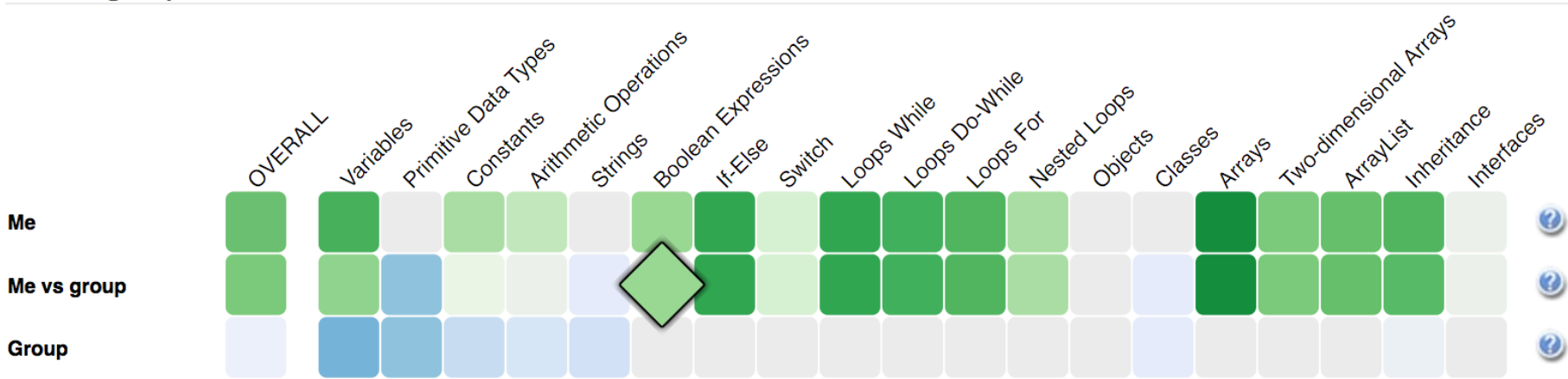
Me and group (Students in the class)



5.1 You can see your classmates progress percentage on the topic

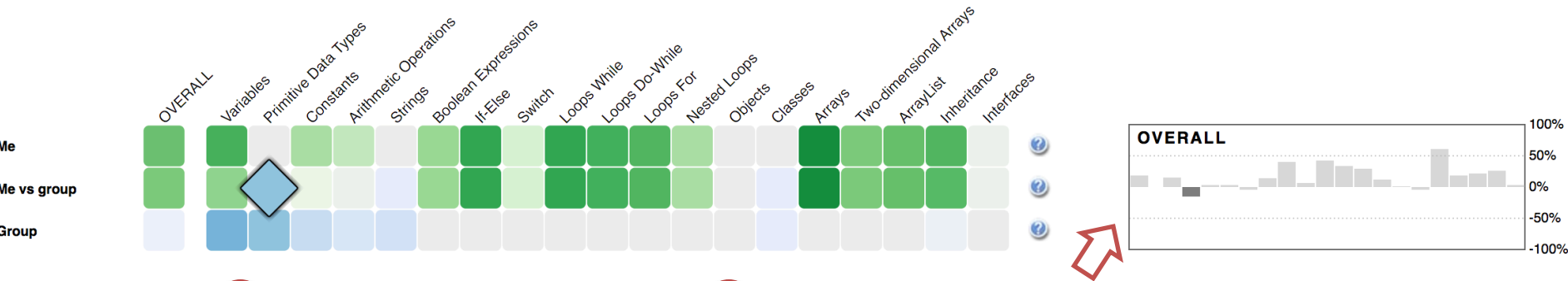
5.2 You can also see your classmates progress percentage on all topics

Me and group (Students in the class)



6 Roll the mouse cursor over the a topic cell on **Me vs Group** row

Me and group (Students in the class)

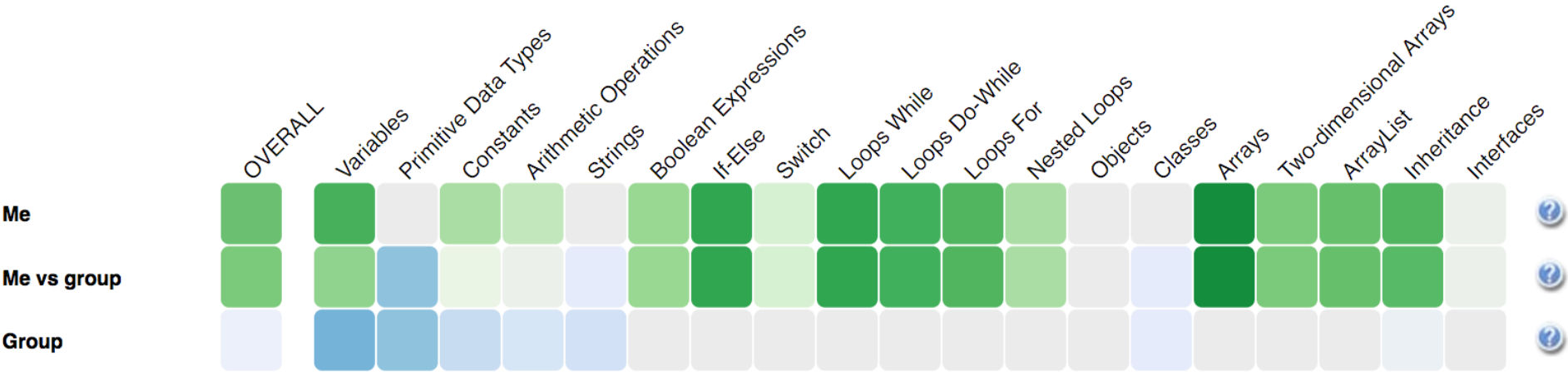


6.1 You can see both your and your classmates progress percentage on the topic

6.2 You can also see both your and your classmates progress percentage on the all topics

- *Positive bars show your progress*
- *Negative bars show your classmates progress*

Me and group (Students in the class)



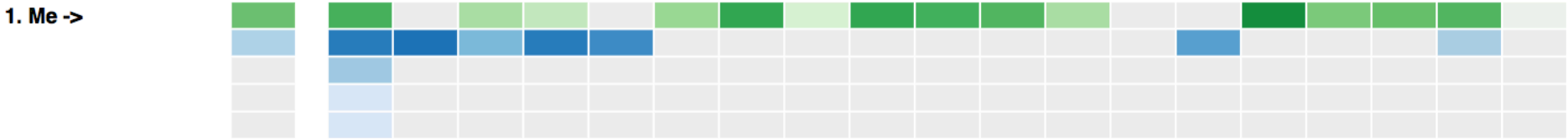
Load the rest of learners



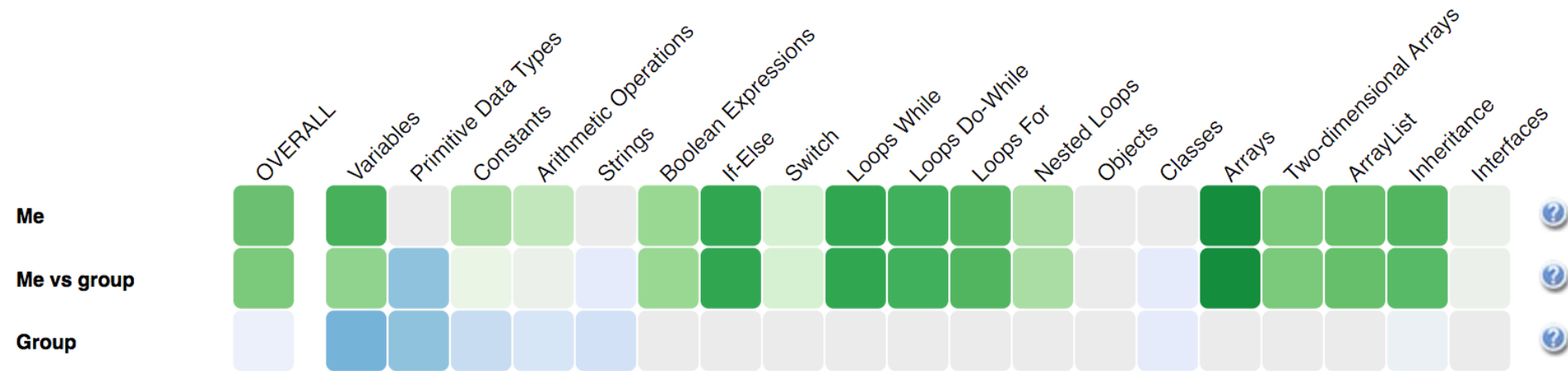
7

Click the button to load the list of other students (does not show usernames) and shows in which position you are in terms of progress

Students in the class (you are 1st out of 5)



Update other learners



Load the rest

Quizzes

Examples

Animated Examples

close

8

Three types of learning contents

close

Quizzes

Examples

Animated Examples

8.1 A question/quiz/problem

Topic: Strings • Activity: Strings 1

Tester Class

```
public class Tester {  
    public static void main(String[] args) {  
        String s = "what is the answer to this ques  
        String sub = s.substring( 0, 11);  
        System.out.print(sub);  
    }  
}
```

What is the output?

Be careful of the whitespace(space, newline) in your answer.

Submit

It either asks you the output of the code, or the final value of result.

Topic: Loops While • Activity: Loop While 1

Tester Class

```
public class Tester {  
    public static void main(String[] args) {  
  
        int result = 5 ;  
        while (result < 9)  
            result++;  
  
    }  
}
```

What is the final value of result?

Submit

close

Quizzes

Examples

Animated Examples

8.2 An example/annotated example

Topic: **Loops While** • Activity: **While**

```
class WhileDemo {  
    public static void main(String[] args){  
        int count = 1;  
        while (count < 11) {  
            System.out.println("Count is: " + count);  
            count++;  
        }  
    }  
}
```

and then we increment the value of 'count' by 1. Hence, this loop will execute 10 times and it will print 1,2,3...9,10. On the last step after it prints 10, and increase 'count' to 11 the 'while'-condition becomes false, since 'count' is not less than 11 any more. And the loop stops.

