

ITC 162 Grading Criteria (please read carefully and ask for clarification if needed).

Does the code run? – 50 points

- No more than 20 points will be given if the code doesn't run.

Correctness of code – 40 points

- Does the code perform per requirements as specified in the assignment?
- Does the program produce the correct prompts to the user?
- Does the program calculate the correct values?
- Does the program display the results correctly?
 - * As applicable for the assignment

Clarity of code – 10 points

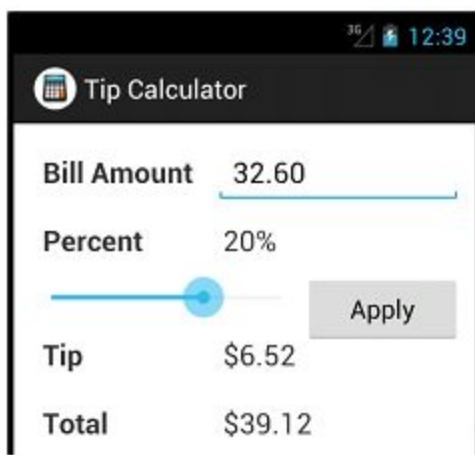
- Does the program use good names for variables?
- Is the code commented and spaced so that it is easy to read and understand? Use blank lines as appropriate.

Incorrect submission

- Your assignment will not be graded if it is not submitted in the right place on Canvas or if the submission is not in the file format specified for the assignment.
- You will be allowed to resubmit, however you might lose points due to late submission.

Modify the Tip Calculator app so that it uses a seek bar instead of two buttons to set the tip percent.

When you're done, a test run should look like this:



Test the app

1. Start Android Studio and open the project named ch05_ex3_TipCalculator located in Week 4 module

(Note: you can work from your old Tip Calculator code, but then you need to add the Apply button code before proceeding with the below instructions).

2. Test this app to see how it works. Note that the Apply button doesn't do anything.

Add a seek bar

1. Open the layout for the activity and delete the two buttons that set the tip percent.

2. Create a new row below the "Percent" row that consists of a seek bar followed by the Apply button as shown above.

3. The seek bar should have a maximum value of 30 and a default progress of 15.

4. Open the class for the activity and delete all code related to the two buttons that have been deleted.

5. Modify the calculateAndDisplay method so it gets the correct tip percent from the SeekBar widget and displays the correct tip percent on the related TextView widget.

6. Test this change to make sure it works correctly. Note that you must click the Apply button to display the new tip percent that has been set by the seek bar. Although this seek bar should work, it doesn't provide a responsive user interface. That's why the next chapter shows how to handle the events of a seek bar to provide a more responsive user interface.