Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

Department of Computer Engineering

Academic Year: 2024-25 **Name of Student: Krushnali Biradar**

Semester: VI **Student ID:22102039**

Class / Branch: T.E Comp **Date of Performance:4/4/25**

Subject: MC **Date of Submission:4/4/25**

Name of Instructor: Prof. Tanvi

Experiment No.10

AIM: Develop a tip calculator application.

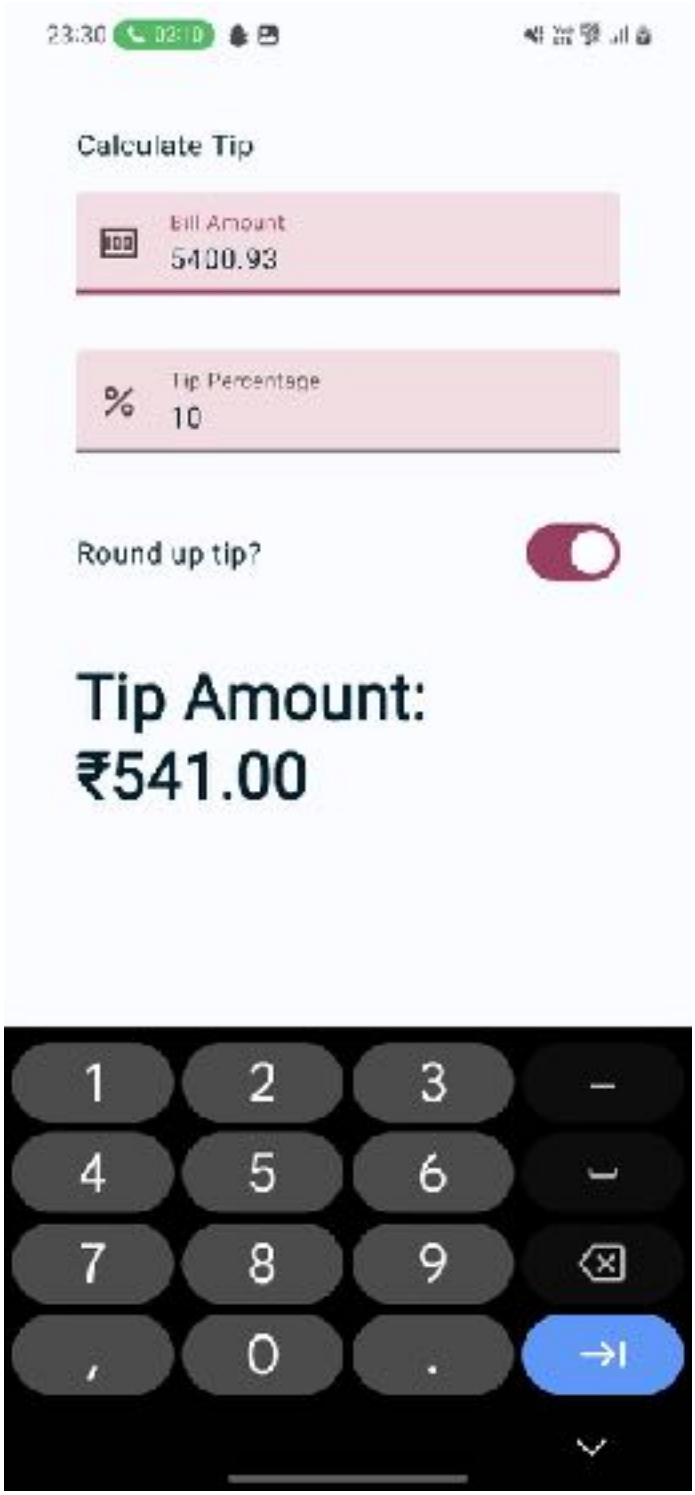
Theory:

A customer may want to tip more or less based on the quality of the service provided and various other reasons. To accommodate this, the app should let the user calculate a custom tip. In this section, you add a text field for the user to enter a custom tip percentage. You already have a Bill Amount text field composable in your app, which is the stateless EditNumberField() composable function. In the previous codelab, you hoisted the amountInput state from the EditNumberField() composable to the TipTimeScreen() function, which made the EditNumberField() composable stateless.

To add a text field, you can reuse the same EditNumberField() composable, but with a different label. To make this change, you need to pass in the label as a parameter, rather than hardcode it inside the EditNumberField() composable function. Make the EditNumberField() composable function reusable: In the MainActivity.kt file in the EditNumberField() composable function's parameters, add a label string resource of Int type.Add a modifier argument of Modifier type to the EditNumberField() composable function.

In the function body, replace the hardcoded string resource ID with the label parameter. To denote that the label parameter is expected to be a string resource reference, annotate the function parameter with the @StringRes annotation. In the EditNumberField() function's TextField composable, pass the label parameter to the stringResource() function. In the TipTimeScreen() function's EditNumberField() function call, set the label parameter to the R.string.bill_amount string resource

Output:


23:30
Calculate Tip
Bill Amount
5400.93
Tip Percentage
10
Round up tip?
Tip Amount:
₹541.00
1
2
3
4
5
6
7
8
9
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0
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