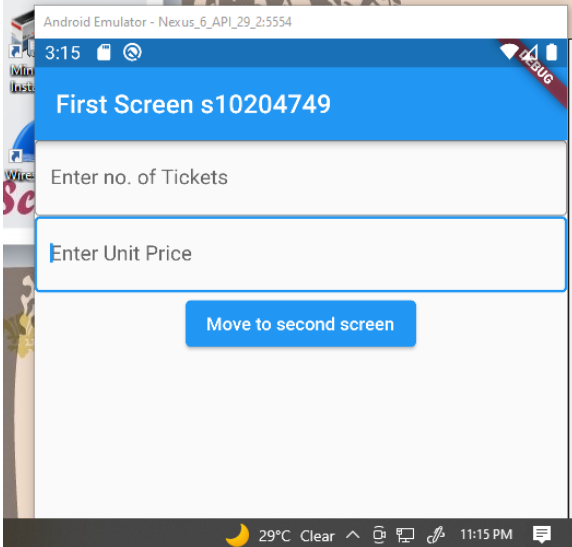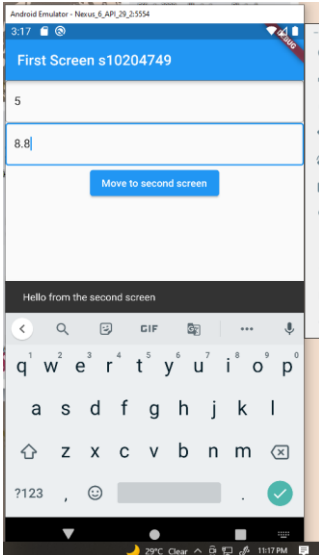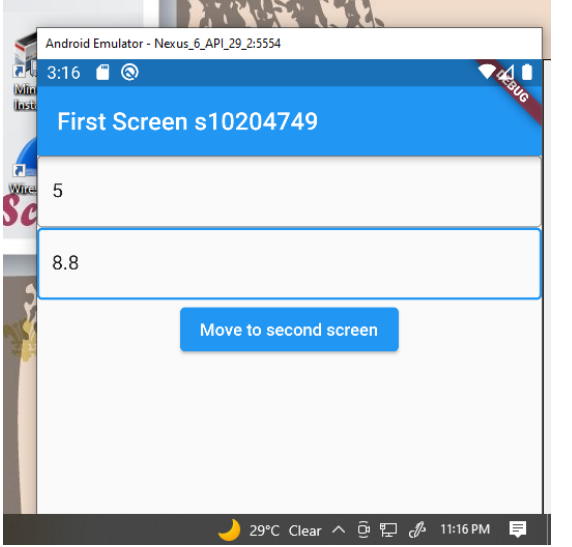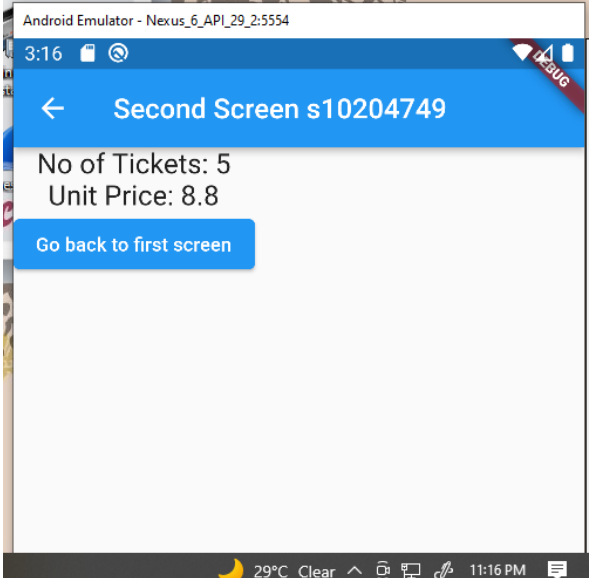MOBILE APPLICATION PROGRAMMING (MAPG)

Lab 13 Pass Data Between Routes

Name of Student: **Jamie Gonzales Esguerra**   **Student ID**: _____

1. Exercise 1:

1) Paste the screenshots of the First Screen and Second Screen.

First Screen	Second Screen

2) **Paste (Ctrl + V)** the codes of main.dart file here. (**Note: <u>Do not paste the screenshots</u>**)

```dart
import 'package:flutter/material.dart';

import 'second_screen.dart';

void main() => runApp(MyApp());

class MyApp extends StatefulWidget {
  MyApp({Key? key}) : super(key: key);
  @override
  State<StatefulWidget> createState() {
    return MyAppState();
  }
}

class MyAppState extends State<MyApp> {
  //String str1 = 'Hello';
  //String str2 = 'Your Name';

  //Controller must be included to send the data to second page
  final UnitPriceField = TextEditingController();
  final TicketNumberField = TextEditingController();

  String str1 = '';
  String str2 = '';

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(
          title: const Text('First Screen s10204749'),
        ),
        body: Column(
          children: [
            TextField(
              controller: TicketNumberField,
              decoration: const InputDecoration(
                  border: OutlineInputBorder(),
                  hintText: 'Enter no. of Tickets'),
              onChanged: (value) {
                setState(() {
                  str1 = value;
                });
              },
            ),
            TextField(
              controller: UnitPriceField,
              decoration: const InputDecoration(
                  border: OutlineInputBorder(), hintText: 'Enter Unit Price'),
              onChanged: (value) {
                setState(() {
                  str2 = value;
                });
              },
            ),
            Builder(
              //receive data from Second Screen
```

```
        builder: (context) => ElevatedButton(
         style: ElevatedButton.styleFrom(
          primary: Colors.blue,
          onPrimary: Colors.white,
         ),
         onPressed: () async {
          final databack = await Navigator.push(
           context,
           MaterialPageRoute(
            builder: (context) => SecondScreen(
             // data: data,
             str1: str1,
             str2: str2,
            ),
           ), //pass the data to the second Screen
          );
          var snackBar = SnackBar(
           content: Text('$databack'),
          );
          ScaffoldMessenger.of(context).showSnackBar(snackBar);
         },
         child: const Text('Move to second screen'),
        ),
       ),
      ],
     ),
    ),
   );
  }
 }
```

Apr 2022

3) **Paste (Ctrl + V)** the codes of second.dart file here. (**Note: <u>Do not paste the screenshots</u>**)

```dart
import 'package:flutter/material.dart';

class SecondScreen extends StatelessWidget {
  final String str1;
  final String str2;
  SecondScreen({Key? key, required this.str1, required this.str2})
      : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text('Second Screen s10204749'),
        backgroundColor: Colors.blue,
      ),
      body: Column(
        children: [
          Text(
            'No of Tickets: $str1',
            style: const TextStyle(fontSize: 20),
          ),
          Text(
            'Unit Price: $str2',
            style: const TextStyle(fontSize: 20),
          ),
          ElevatedButton(
            style: ElevatedButton.styleFrom(
              primary: Colors.blue,
              onPrimary: Colors.white,
            ),
            onPressed: () {
              Navigator.pop(context, 'Hello from the second screen');
            },
            child: const Text('Go back to first screen'),
          ),
        ],
      ),
    );
  }
}
```

End of Exercise