Mobile Computing Lab 10: Write a Program to demonstrate simple Animation in Flutter

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Code:

(pubspec.yaml)

```yaml
name: super_simple_hero_animation
description: Super Simple Hero Animation
version: 1.0.0+1

environment:
  sdk: ">=2.7.0 <3.0.0"

dependencies:
  flutter:
    sdk: flutter

flutter:
  uses-material-design: true
```

(main.dart)

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

```dart
import
'package:super_simple_hero_animation/home_page.da
rt';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: HomePage(),
    );
  }
}
```

(home_page.dart)

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

class HomePage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Super Simple
Hero Animation")),
      body: ListView.builder(itemBuilder:
(context, index) {
        return ListTile(
          leading: CircleAvatar(
            child: ClipOval(
```

```dart
                  child: Hero(
                    tag: "avatar-$index",
                    child:
Image.network("https://picsum.photos/seed/$index/
800"),
                  ),
                ),
              ),
              title: Text("Item #$index"),
              onTap: () => _openDetail(context,
index),
            );
          }),
        );
      }

      _openDetail(context, index) {
        final route = MaterialPageRoute(
          builder: (context) => DetailPage(index:
index),
        );
        Navigator.push(context, route);
      }
    }



    import 'package:flutter/material.dart';

    class DetailPage extends StatelessWidget {
      final int index;

      const DetailPage({this.index});

      @override
      Widget build(BuildContext context) {
        return Scaffold(
          body: CustomScrollView(
```

```dart
        slivers: <Widget>[

          SliverAppBar(
            expandedHeight: 300,
            flexibleSpace: FlexibleSpaceBar(
              title: Text("Item #$index"),
              background: Hero(
                tag: "avatar-$index",
                child: Image.network(

  "https://picsum.photos/seed/$index/800",
                  fit: BoxFit.cover,
                ),
              ),
            ),
          ),
        ],
      ),
    );
  }
}
```

Output: