

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

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**Code:**

**(pubspec.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)**

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

```

import
'package:super_simple_hero_animation/home_page.dart';

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

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

```

### **(home\_page.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(

```

```

        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(

```

```

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:

