



# Comsat University Islamabad

(Abbottabad Campus)

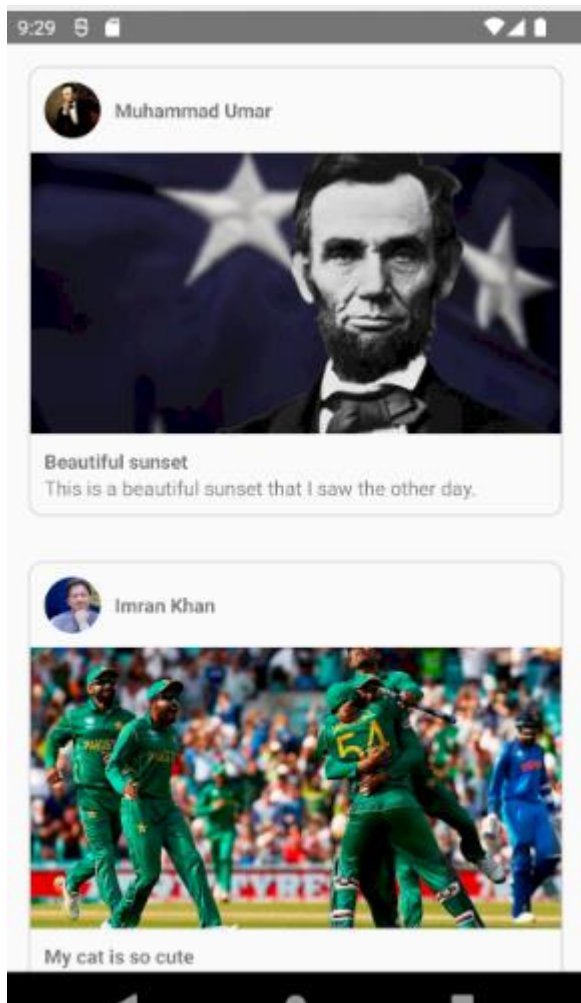
## Lab Mid

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**Subject:** Android Development  
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Question No:1

OutPut



Code

```
import React from 'react';  
import { View, Text, Image, FlatList } from 'react-native';
```

```

import { StyleSheet } from 'react-native';

const Post = ({ post }) => {
  return (
    <View style={styles.postContainer}>
      <View style={styles.postHeader}>
        <Image
          source={{ uri: post.userImage }}
          style={styles.userImage}
        />
        <Text style={styles.username}>{post.username}</Text>
      </View>
      <Image
        source={{ uri: post.postImage }}
        style={styles.postImage}
      />
      <View style={styles.postContent}>
        <Text style={styles.postTitle}>{post.postTitle}</Text>
        <Text >{post.postDescription}</Text>
      </View>
    </View>
  );
};

const SocialMediaHomePage = () => {
  const posts = [
    {
      userId: 1,
      username: 'Muhammad Umar',
      userImage: 'https://assets.editorial.aetnd.com/uploads/2009/10/abraham-lincoln-gettyimages-530194205.jpg',
      postImage: 'https://cdn.britannica.com/11/172711-138-832F5B65/overview-Abraham-Lincoln.jpg?w=800&h=450&c=crop',
      postTitle: 'Beautiful sunset',
      postDescription: 'This is a beautiful sunset that I saw the other day.',
    },
    {
      userId: 2,
      username: 'Imran Khan',
      userImage: 'https://i.tribune.com.pk/media/images/Cover1649319112-0/Cover1649319112-0.jpg',
      postImage: 'https://i.dawn.com/large/2017/06/5946c08f45a42.jpg',
      postTitle: 'My cat is so cute',
      postDescription: 'My cat is so cute and cuddly. I love her so much.',
    },
  ];

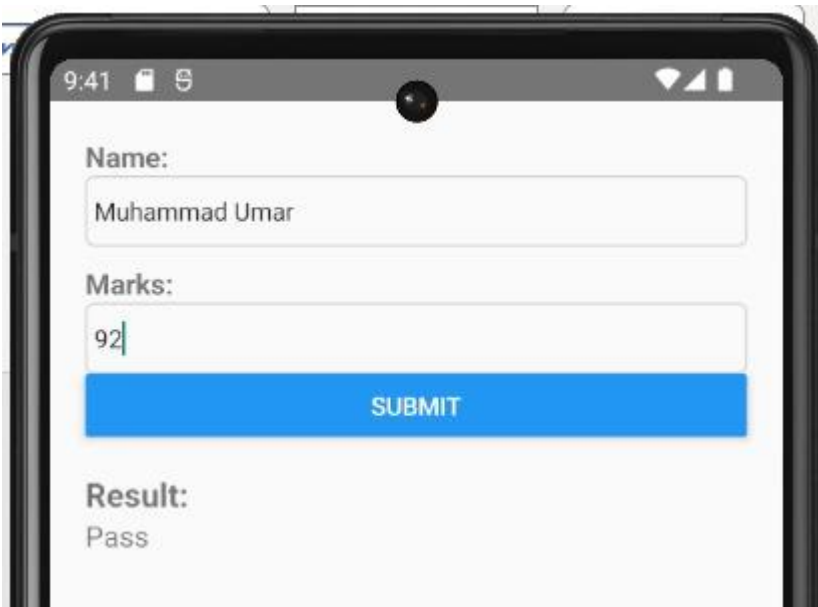
  return (
    <FlatList
      data={posts}
      renderItem={({ item }) => <Post post={item} />}
      keyExtractor={({ item }) => item.userId.toString()}
    />
  );
};

```

```
);  
};  
  
const styles = StyleSheet.create({  
  postContainer: {  
    flex: 1,  
    margin: 16,  
    borderWidth: 1,  
    borderColor: '#ccc',  
    borderRadius: 10,  
  },  
  postHeader: {  
    flexDirection: 'row',  
    padding: 10,  
    alignItems: 'center',  
  },  
  userImage: {  
    width: 40,  
    height: 40,  
    borderRadius: 20,  
    marginRight: 10,  
  },  
  username: {  
    fontWeight: 'bold',  
  },  
  postImage: {  
    width: '100%',  
    height: 200,  
    resizeMode: 'cover',  
  },  
  postContent: {  
    padding: 10,  
  },  
  postTitle: {  
    fontWeight: 'bold',  
  },  
});  
  
export default SocialMediaHomePage;
```

Question No:2

Output



## Code

```
import React, { Component } from 'react';
import { View, Text, TextInput, Button } from 'react-native';

class App extends Component {
  constructor(props) {
    super(props);
    this.state = {
      name: '',
      marks: 0,
      result: '',
    };
  }

  setName = (name) => {
    this.setState({ name });
  };

  setMarks = (marks) => {
    this.setState({ marks });
  };

  display = () => {
    const { name, marks } = this.state;
    const result = marks >= 50 ? 'Pass' : 'Fail';
    this.setState({ result });
  };

  render() {
    const { name, marks, result } = this.state;
    return (
      <View style={{ flex: 1, padding: 20 }}>
        <Text style={{ fontSize: 16, fontWeight: 'bold' }}>Name:</Text>
        <TextInput
          style={{ padding: 5, borderColor: '#ccc', borderWidth: 1, borderRadius: 5 }}
          value={name}
          onChangeText={(text) => this.setName(text)}
        />
      </View>
    );
  }
}
```

```
    />

    <Text style={{ fontSize: 16, fontWeight: 'bold', marginTop: 10 }}>Marks:</Text>
    <TextInput
      style={{ padding: 5, borderColor: '#ccc', borderWidth: 1, borderRadius: 5 }}
      value={$marks}
      onChangeText={(text) => this.setMarks(Number(text))}
      keyboardType="numeric"
    />

    <Button title="Submit" onPress={this.display} />

    <View style={{ marginTop: 20 }}>
      <Text style={{ fontSize: 18, fontWeight: 'bold' }}>Result:</Text>
      <Text style={{ fontSize: 16 }}>{result}</Text>
    </View>
  </View>
);
}
}

export default App;
```