MOBILE APPLICATION PROGRAMMING LAB PRACTICAL-3

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ROLL NO: 69

BATCH: A4

AIM: 3. Design an application for conducting an aptitude test with Multiple-choice questions. Each question would have 4 options. When the submit button is clicked the marks along with no of questions attempted, and the percentage of marks should be displayed in a new activity. Assume a suitable weightage of a mark for each question.

MAINACTIVITY. JAVA CODE:

```
selectedRadioButton.getText().toString();
MainActivity2.class);
```

XML:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:orientation="vertical"
   android:padding="16dp">
   <TextView
        android:layout_height="wrap_content"
        android:layout_width="match_parent"
        android:fontFamily="sans-serif-black"</pre>
```

```
android:text="MCQ TEST-JAVA'
<TextView
        android:text="B) Berlin" />
        android:text="C) Madrid" />
<TextView
```

```
<TextView
   android:orientation="horizontal">
```

```
<TextView
```

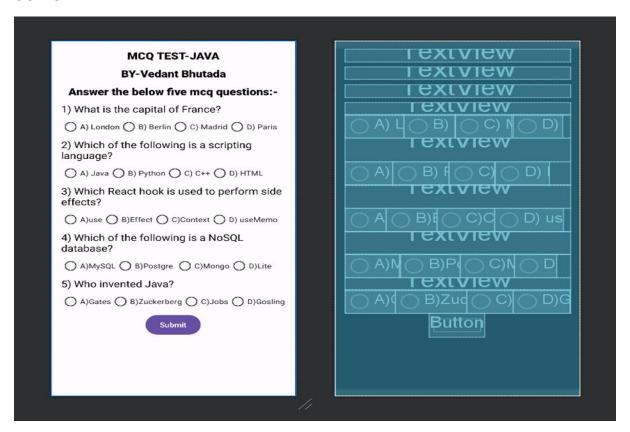
```
android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="B) Zuckerberg" />
    <RadioButton
        android:id="@+id/question5OptionC"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="C) Jobs" />
    <RadioButton
        android:id="@+id/question5OptionD"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="D) Gosling" />
    </RadioGroup>
    <Button
        android:id="@+id/submitButton"
        android:layout_width="wrap_content"
        android:layout_beight="wrap_content"
        android:layout_beight="wrap_content"
        android:layout_height="wrap_content"
        android:layout_beight="wrap_content"
        android:layout_gravity="center" />
    </LinearLayout>
```

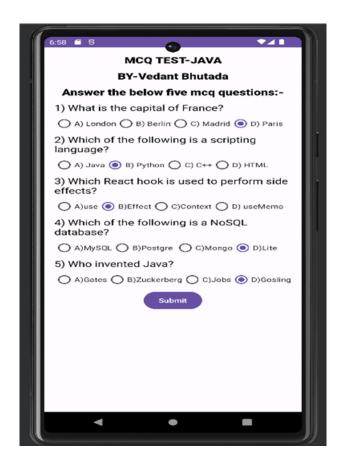
MAINACTIVITY2.JAVA CODE:

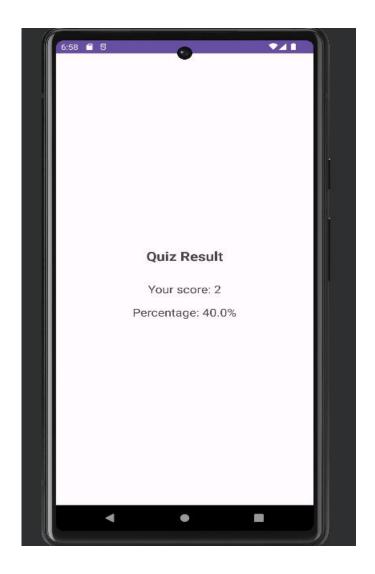
```
package com.example.myapplication;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.os.Bundle;
import android.widget.TextView;
public class MainActivity2 extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        // Retrieve the score and percentage from the intent extras
        Intent intent = getIntent();
        int score = intent.getIntExtra("score", 0);
        double percentage = intent.getDoubleExtra("percentage", 0.0);
        // Display the score and percentage in TextViews
        TextView scoreTextView = findViewById(R.id.scoreTextView);
        TextView percentageTextView =
findViewById(R.id.percentageTextView);
        scoreTextView.setText("Your score: " + score);
        percentageTextView.setText("Percentage: " + percentage + "%");
    }
}
```

XML2:

OUTPUT:







CONCLUSION: In this practical we successfully implemented the linking of 2 activities using intent in android studio.