Practical_No:7

Xml Code:

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/
android"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  android:background="@drawable/img_2"
  tools:context=".MainActivity">

  <TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Choose Below To Get Information
About It"
    android:textSize="18sp"
    android:textStyle="bold"
    android:textColor="@android:color/black"
    android:layout_marginTop="20dp"
    android:layout_centerHorizontal="true"/>

  <RadioGroup
    android:id="@+id/radioGroup"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textView"
    android:layout_marginTop="20dp"
    android:layout_centerHorizontal="true">

    <RadioButton
      android:id="@+id/radioButtonAndroid"
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="Android Programming"
      android:textStyle="bold"/>

    <RadioButton
      android:id="@+id/radioButtonJava"
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="Java Programming"
      android:textStyle="bold"/>

    <RadioButton
      android:id="@+id/radioButtonPython"
      android:layout_width="wrap_content"
      android:layout_height="wrap_content"
      android:text="Python Programming"
      android:textStyle="bold"/>

  </RadioGroup>

</RelativeLayout>
```

Java Code:

```java
package com.example.practical_no7radiobutton;

import android.os.Bundle;
import android.view.View;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    RadioGroup radioGroup;

    @Override
    protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        radioGroup = findViewById(R.id.radioGroup);

        radioGroup.setOnCheckedChangeListener(new
RadioGroup.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(RadioGroup
group, int checkedId) {
                RadioButton radioButton =
findViewById(checkedId);
                String language =
radioButton.getText().toString();
                displayInformation(language);
            }
        });
    }

    private void displayInformation(String language) {
        String information = "";
        switch (language) {
            case "Android Programming":
                information = "Android is a mobile operating
system developed by Google. " +
                        "It is based on a modified version of the
Linux kernel and " +
                        "other open source software.";
```

```java
            break;
        case "Java Programming":
            information = "Java is a high-level, class-
based, object-oriented " +
                    "programming language that is designed
to have as few " +
                    "implementation dependencies as
possible.";
            break;
        case "Python Programming":
            information = "Python is an interpreted, high-
level and general-purpose " +
                    "programming language. Python's design
philosophy emphasizes " +
                    "code readability with its notable use of
significant indentation.";
            break;
        }
        Toast.makeText(getApplicationContext(),
information, Toast.LENGTH_LONG).show();
    }
}
```

Output: