



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:id="@+id/backcol"
    tools:context="com.example.itech_mgr.myapplication.Main5Activity">
    <RadioGroup
        android:id="@+id/radio"
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:padding="15dp"
        android:orientation="horizontal">

        <RadioButton
            android:id="@+id/radioMale"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="php programming"
            android:layout_marginTop="20dp"
            android:paddingRight="10dp"
            android:checked="true" />

        <RadioButton
            android:id="@+id/radioFemale"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="20dp"
            android:text="java programming" />

    </RadioGroup>

    <Button
        android:id="@+id/btnDisplay"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="message"
        android:layout_margin="20dp"
        android:layout_gravity="center"
        tools:layout_editor_absoluteX="26dp"
        tools:layout_editor_absoluteY="165dp" />
</LinearLayout>
```

Java

```
package com.example.itech_mgr.myapplication;

import android.graphics.Color;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Layout;
import android.view.View;
import android.widget.Button;
import android.widget.LinearLayout;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

public class Main5Activity extends AppCompatActivity {
    private RadioGroup radioGroup;
    private RadioButton radioButton;
    private Button btnDisplay;
    LinearLayout bc;
    private LinearLayout my;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main5);

        addListenerOnButton();
    }
    public void addListenerOnButton() {
```

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Android Programming
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```
radioGroup = (RadioGroup) findViewById(R.id.radio);
btnDisplay = (Button) findViewById(R.id.btnDisplay);

btnDisplay.setOnClickListener(new View.OnClickListener() {

    @Override
    public void onClick(View v) {
        bc=(LinearLayout) findViewById(R.id.backcol);
        // get selected radio button from radioGroup
        int selectedId = radioGroup.getCheckedRadioButtonId();

        // find the radiobutton by returned id
        radioButton = (RadioButton) findViewById(selectedId);

        Toast.makeText(Main5Activity.this, radioButton.getText(),
Toast.LENGTH_LONG).show();
        bc.setBackgroundColor(Color.RED);
        //my.setBackgroundColor(Color.BLUE);

    }

});
}
```