

## Practical No 11

### X.1

- **Program:**
- **XML File:**

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    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"
    tools:context=".MainActivity">

    <CheckBox
        android:id="@+id/python"
        android:layout_width="115dp"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="61dp"
        android:layout_marginEnd="235dp"
        android:layout_marginBottom="475dp"
        android:text="PYTHON"
        android:textSize="16sp" />

    <CheckBox
        android:id="@+id/php"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="61dp"
```

```
android:layout_marginEnd="256dp"
android:layout_marginBottom="393dp"
android:text="PHP"
android:textSize="16sp" />
```

<CheckBox

```
android:id="@+id/c"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="61dp"
android:layout_marginEnd="256dp"
android:layout_marginBottom="310dp"
android:text="C"
android:textSize="16sp" />
```

<CheckBox

```
android:id="@+id/cpp"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="59dp"
android:layout_marginEnd="258dp"
android:layout_marginBottom="232dp"
android:text="C++"
android:textSize="16sp" />
```

<CheckBox

```
android:id="@+id/java"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentEnd="true"
```

```

        android:layout_alignParentBottom="true"
        android:layout_marginStart="61dp"
        android:layout_marginEnd="256dp"
        android:layout_marginBottom="555dp"
        android:text="JAVA"
        android:textSize="16sp" />
<TextView
    android:id="@+id/textView"
    android:layout_width="340dp"
    android:layout_height="68dp"
    android:layout_above="@+id/java"
    android:layout_alignParentEnd="true"
    android:layout_marginEnd="37dp"
    android:layout_marginBottom="11dp"
    android:text="Select any programming language"
    android:textColor="#100E0E"
    android:textSize="22sp"
    android:textStyle="bold" />
</RelativeLayout>

```

- **JAVA File:**

```

package com.example.mad_practicals;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.CheckBox;
import android.widget.Switch;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity implements
    View.OnClickListener {
    CheckBox java,python,php,c,cpp;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

```

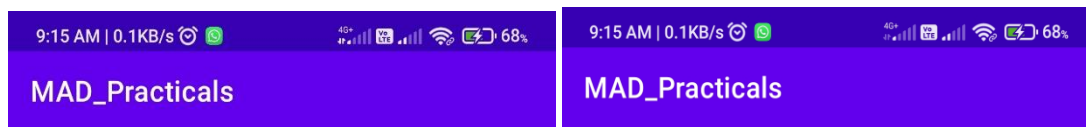


```

        break;
    case R.id.cpp:
        if(cpp.isChecked())
            Toast.makeText(this, "C++ Selected",
                Toast.LENGTH_SHORT).show();
        break;
    }
}
}

```

- **Output:**



Select any programming language

☒ JAVA

☐ PYTHON

☐ PHP

☐ C

☐ C++

Java Selected

Select any programming language

☒ JAVA

☒ PYTHON

☐ PHP

☐ C

☐ C++

Python Selected