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"
```

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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);
```

```
setContentView(R.layout.activity_main);
  java=findViewById(R.id.java);
  java.setOnClickListener(this);
  python=findViewById(R.id.python);
  python.setOnClickListener(this);
  php=findViewById(R.id.php);
  php.setOnClickListener(this);
  c=findViewById(R.id.c);
  c.setOnClickListener(this);
  cpp=findViewById(R.id.cpp);
  cpp.setOnClickListener(this);
}
@Override
public void onClick(View view) {
  switch (view.getId()){
    case R.id.java:
      if(java.isChecked())
         Toast.makeText(this, "Java Selected",
             Toast.LENGTH_SHORT).show();
      break;
    case R.id.php:
      if(php.isChecked())
         Toast.makeText(this, "PHP Selected",
              Toast.LENGTH_SHORT).show();
      break;
    case R.id.python:
      if(python.isChecked())
         Toast.makeText(this, "Python Selected",
              Toast.LENGTH_SHORT).show();
      break;
    case R.id.c:
      if(c.isChecked())
         Toast.makeText(this, "C Selected",
              Toast.LENGTH_SHORT).show();
```

• Output:



Select any programming Select any programming language language JAVA ✓ JAVA PYTHON □ PYTHON ☐ PHP ☐ PHP □ C □ C C++ C++ Java Selected Python Selected