

Ex.No:8 Build a program to show five checkboxes and toast selected checkboxes.

’ AIM:

To create a list using checkbox to display selected checkbox item using Android Studio.

’ EQUIPMENTS REQUIRED:

Android Studio(Min.required Artic Fox)

’ ALGORITHM:

’ Step 1:

Open Android Studio and then click on File -> New -> New project.

’ Step 2:

Then type the Application name as "listofitemselect" and click Next.

’ Step 3:

Then select the Minimum SDK as shown below and click Next.

’ Step 4:

Then select the Empty Activity and click Next. Finally click Finish.

’ Step 5:

Design layout using UI components in activity_main.xml.

’ Step 6:

Display the list using checkbox in MainActivity file.

’ Step 7:

Save and run the application.

’ PROGRAM

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' MainActivity.java

```
package com.example.ex8;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;
import android.widget.CheckBox;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    private CheckBox chkAndroid, chkJava, chkPhp, chkCpp, chkC;

    @Override
    public void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        chkAndroid = findViewById(R.id.chkAndroid);
        chkJava = findViewById(R.id.chkJava);
        chkPhp = findViewById(R.id.chkPhp);
        chkCpp = findViewById(R.id.chkCpp);
        chkC = findViewById(R.id.chkC);
    }

    public void showSelected(View view) {

        String selected = "You selected: \n";

        if(chkAndroid.isChecked())
            selected += "Android";

        if(chkJava.isChecked())
            selected += "\nJava";

        if(chkPhp.isChecked())
            selected += "\nPHP";

        if(chkCpp.isChecked())
            selected += "\nCPP";

        if(chkC.isChecked())
```

```

        selected += "\nC";

        Toast.makeText(MainActivity.this, selected, Toast.LENGTH_SHORT).show();
    }
}

```

' activitymain.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:padding="20dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="msg"
        style="@style/TextAppearance.AppCompat.Large"
        android:layout_margin="10dp"
        android:textStyle="bold"/>

    <CheckBox
        android:id="@+id/chkAndroid"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="android"
        style="@style/TextAppearance.AppCompat.Headline"/>

    <CheckBox
        android:id="@+id/chkJava"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="java"
        style="@style/TextAppearance.AppCompat.Headline"/>

    <CheckBox
        android:id="@+id/chkPhp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="php"
        style="@style/TextAppearance.AppCompat.Headline"/>

    <CheckBox
        android:id="@+id/chkCpp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="cpp"

```

```
style="@style/TextAppearance.AppCompat.Headline"/>
```

```
<CheckBox
```

```
    android:id="@+id/chkC"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="c"
```

```
    style="@style/TextAppearance.AppCompat.Headline"/>
```

```
<Button android:id="@+id/btnDisplay"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

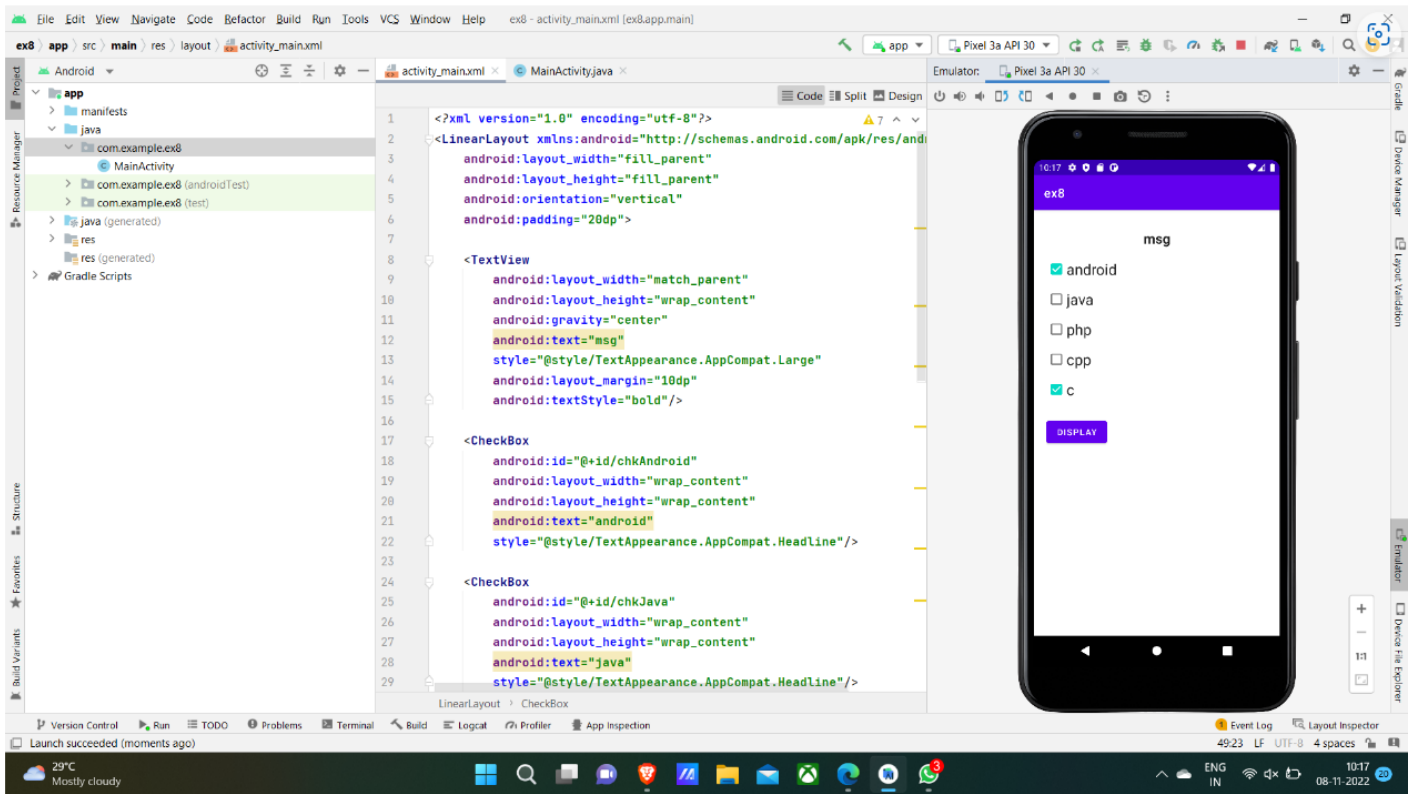
```
    android:text="Display"
```

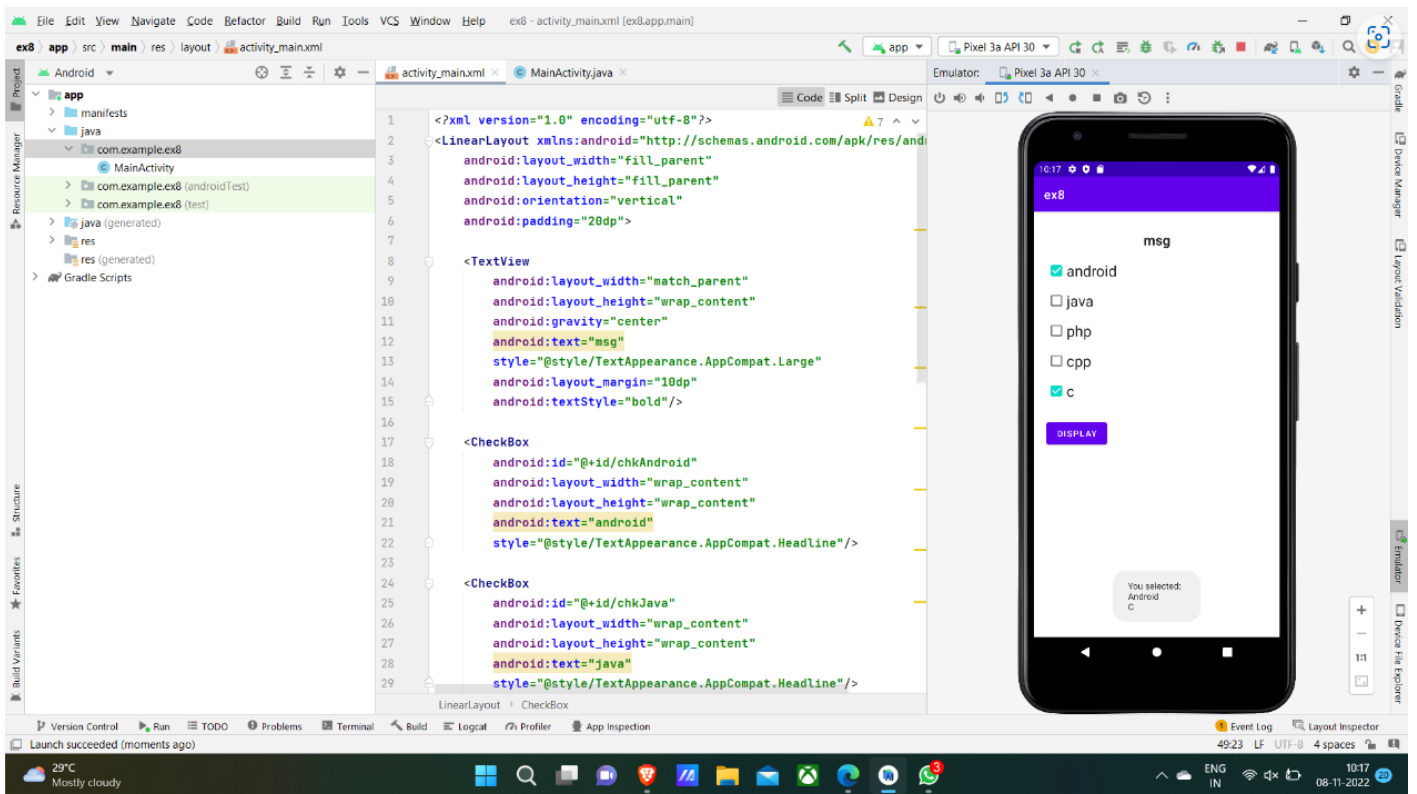
```
    android:layout_marginTop="20dp"
```

```
    android:onClick="showSelected"/>
```

```
</LinearLayout>
```

' **OUTPUT**







msg

☒ android

☒ java

☐ php

☐ cpp

☒ c

DISPLAY

RESULT

Thus a Simple Android Application create a list using checkbox to display selected checkbox using Android Studio is developed and executed successfully.