

## Practical 11

### Q1.

#### XML Code:

```
<?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="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="150dp"
    android:orientation="vertical"
    android:layout_gravity="center_horizontal"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/tv1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/subjects"
        android:gravity="center"
        android:textSize="22sp"
        android:textColor="#FA1605"
        android:layout_marginBottom="20dp"/>
    <CheckBox
        android:id="@+id/cb1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/mad"/>
```

```
<CheckBox
    android:id="@+id/cb2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/pwp"/>
```

```
<CheckBox
    android:id="@+id/cb3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/eti"/>
```

```
<CheckBox
    android:id="@+id/cb4"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/nis"/>
```

```
<CheckBox
    android:id="@+id/cb5"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/mgt"/>
```

```
<Button
    android:id="@+id/btn1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/submit"
    android:gravity="center"
    android:layout_marginTop="10dp"/>
```

```
</LinearLayout>
```

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### JAVA Code:

```
package com.example.checkbox;
```

```
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    Button b1;
```

```
    CheckBox c1,c2,c3,c4,c5;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        b1=(Button)findViewById(R.id.btn1);
```

```
        c1=(CheckBox)findViewById(R.id.cb1);
```

```
        c2=(CheckBox)findViewById(R.id.cb2);
```

```
        c3=(CheckBox)findViewById(R.id.cb3);
```

```
        c4=(CheckBox)findViewById(R.id.cb4);
```

```
        c5=(CheckBox)findViewById(R.id.cb5);
```

```
        b1.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
                StringBuffer s=new StringBuffer();
```

```
                if(c1.isChecked()||c2.isChecked()||c3.isChecked()||c4.isChecked()||c5.isChecked()) {
```

```
                    s.append("Selected Subjects are :");
```

```
                    if (c1.isChecked()) {
```

```
                        s.append("\n" + c1.getText());
```

```
                    }
```

```
                    if (c2.isChecked()) {
```

```
                        s.append("\n" + c2.getText());
```

```
                    }
```

```
                    if (c3.isChecked()) {
```

```
                        s.append("\n" + c3.getText());
```

```
                    }
```

```
                    if (c4.isChecked()) {
```

```
                        s.append("\n" + c4.getText());
```

```
                    }
```

```
                    if (c5.isChecked()) {
```

```
                        s.append("\n" + c5.getText());
```

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```
        }  
    }  
    else  
    {  
        s.append("Select at least One");  
    }  
    Toast.makeText(getApplicationContext(),s.toString(),Toast.LENGTH_SHORT).show();  
}  
});  
}  
}
```

**Output:**

