

## Practical No.: 04

**Aim: Design a Menu for a Café And Print It's Invoice.****Source Code:****a. activity\_main.xml .****Code:**

```
<?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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="50dp"
        android:text="Welcome To Charlotte's Cafe"
        android:textAlignment="center"
        android:textSize="32sp"
        android:textStyle="bold" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_above="@+id/checkbox1"
        android:layout_marginBottom="30dp"
        android:text="Select Your Products!"
        android:textAlignment="center"
        android:textSize="24sp"
        android:textStyle="bold|italic" />

    <CheckBox
        android:id="@+id/checkbox1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:text="PIZZA" />

    <CheckBox
        android:id="@+id/checkbox2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/checkbox1"
```

```
android:layout_centerInParent="true"
android:layout_marginTop="10dp"
android:text="COFFEE" />
```

```
<CheckBox
    android:id="@+id/checkBox3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/checkBox2"
    android:layout_centerInParent="true"
    android:layout_marginTop="10dp"
    android:text="BURGER" />
```

```
<CheckBox
    android:id="@+id/checkBox4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/checkBox3"
    android:layout_centerInParent="true"
    android:layout_marginTop="10dp"
    android:text="FRENCH FRIES" />
```

```
<Button
    android:id="@+id/button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/checkBox4"
    android:layout_marginTop="10dp"
    android:text="Complete Purchase" />
```

</RelativeLayout>

#### Source Code:

##### b. MainActivity.kt .

#### Code:

```
package com.example.cafe

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.CheckBox
import android.widget.Toast
import java.lang.StringBuilder

class MainActivity : AppCompatActivity() {
    lateinit var PIZZA: CheckBox
    lateinit var COFFEE: CheckBox
```

```
lateinit var BURGER: CheckBox
lateinit var FRENCHFRIES: CheckBox
lateinit var button: Button

override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    setContentView(R.layout.activity_main)

    PIZZA = findViewById(R.id.checkBox1)
    COFFEE = findViewById(R.id.checkBox2)
    BURGER = findViewById(R.id.checkBox3)
    FRENCHFRIES = findViewById(R.id.checkBox4)
    button = findViewById(R.id.button)

    button.setOnClickListener {
        var totalAmount: Int = 0
        var result = StringBuilder()
        result.append("Selected Items : ")
        if (PIZZA.isChecked){
            result.append("PIZZA 100Rs ")
            totalAmount += 100
        }
        if (COFFEE.isChecked){
            result.append("COFFEE 50Rs ")
            totalAmount += 50
        }
        if (BURGER.isChecked){
            result.append("BURGER 150Rs ")
            totalAmount += 150
        }
        if (FRENCHFRIES.isChecked){
            result.append("FRENCHFRIES 75Rs ")
            totalAmount += 75
        }
        result.append("Total : " + totalAmount + "Rs.")
        Toast.makeText(applicationContext,result.toString(),Toast.LENGTH_SHORT).show()
    }
}
}
```

**Output:**