

Practical 15

1. Write a Program to create two buttons as "Simple Toast" and "Custom Toast" on click of Simple Toast normal toast must be displayed and on click of Custom toast button a message with an image must be displayed.

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="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:orientation="vertical"
    >
    <Button
        android:layout_width="300dp"
        android:layout_height="80dp"
        android:text="Simple Toast"
        android:textSize="30dp"
        android:backgroundTint="@color/black"
        android:layout_gravity="center"
        android:layout_marginTop="100dp"
        android:id="@+id/btn1"
    />
    <Button
        android:layout_width="300dp"
        android:layout_height="80dp"
        android:text="Custom Toast"
        android:textSize="30dp"
        android:backgroundTint="@color/black"
        android:layout_gravity="center"
        android:layout_marginTop="40dp"
        android:id="@+id/btn2"
    />
</LinearLayout>
```

Custom toast 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="280dp"
    android:layout_height="160dp"
    tools:context=".exp15a"
    android:orientation="vertical"
    android:id="@+id/custom_toast"
```

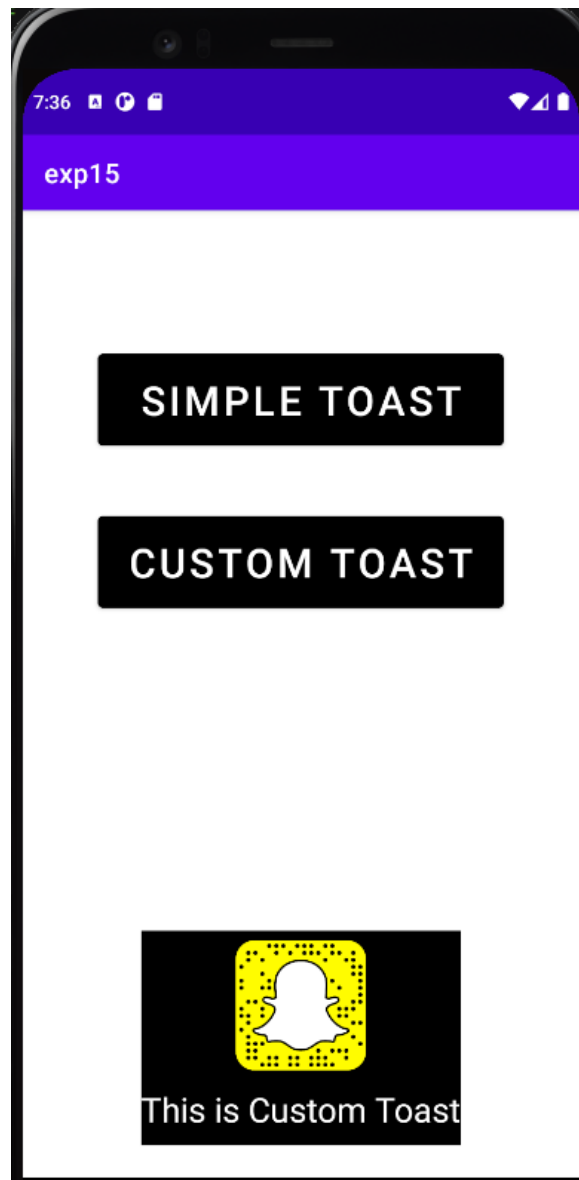
```
android:backgroundTint="@color/black"
android:background="@color/black"
>
<ImageView
    android:layout_width="100dp"
    android:layout_height="100dp"
    android:src="@drawable/img"
    android:layout_gravity="center"
    android:layout_marginTop="5dp"
/>
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="This is Custom Toast"
    android:textSize="25dp"
    android:layout_gravity="center"
    android:layout_marginTop="10dp"
    android:textColor="@color/white"
    android:layout_marginBottom="10dp"
/>
</LinearLayout>
```

Java Code :

```
package com.example.exp15;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button simpletoast = (Button) findViewById(R.id.btn1);
        Button customtoast = (Button) findViewById(R.id.btn2);
        simpletoast.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Toast.makeText(getApplicationContext(), "This is simple toast",
Toast.LENGTH_LONG).show();
            }
        });
        customtoast.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                LayoutInflater inflater = getLayoutInflater();
                View object = inflater.inflate(R.layout.activity_exp15a, (ViewGroup)
findViewById(R.id.custom_toast));
                Toast toast = new Toast(getApplicationContext());
                toast.setDuration(toast.LENGTH_LONG);
                toast.setView(object);
```

```
toast.show();  
    }  
});  
}  
}
```

Output:



2. Write a Program to display three checkboxes and one button named "Order" as shown below. Once you click on button it should display simple toast along with items name and total price. Display custom toast on selection of checkbox.

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="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity2"
android:orientation="vertical">
<CheckBox
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Pizza"
    android:textSize="25dp"
    android:layout_gravity="center"
    android:layout_marginTop="80dp"
    android:id="@+id/pizza"
    android:onClick="custm"
/>
<CheckBox
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Coffee"
    android:textSize="25dp"
    android:layout_gravity="center"
    android:layout_marginTop="10dp"
    android:id="@+id/coffee"
    android:onClick="custm"
/>
<CheckBox
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Burger"
    android:textSize="25dp"
    android:layout_gravity="center"
    android:layout_marginTop="10dp"
    android:id="@+id/burger"
    android:onClick="custm"
/>
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Order"
    android:backgroundTint="@color/black"
    android:textColor="@color/white"
    android:textSize="30dp"
    android:layout_gravity="center"
    android:layout_marginTop="20dp"
    android:id="@+id/btn"
/>
</LinearLayout>
```

Custom toast 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="150dp"
tools:context=".exp15b"
android:orientation="vertical"
android:backgroundTint="@color/black"
android:background="@color/black"
android:id="@+id/pizz">
    <ImageView
        android:layout_width="100dp"
        android:layout_height="100dp"
        android:layout_gravity="center"
        android:layout_marginTop="10dp"
        android:id="@+id/item"
    />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="22dp"
        android:textColor="@color/white"
        android:layout_gravity="center"
        android:layout_marginTop="7dp"
        android:id="@+id/item_text"
    />
</LinearLayout>
```

Java Code :

```
package com.example.exp15;
import androidx.appcompat.app.AppCompatActivity;
import android.media.Image;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
import org.w3c.dom.Text;
public class MainActivity2 extends AppCompatActivity {
    String str,result;
    Integer tot;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        CheckBox c1 = (CheckBox) findViewById(R.id.pizza);
        CheckBox c2 = (CheckBox) findViewById(R.id.coffee);
        CheckBox c3 = (CheckBox) findViewById(R.id.burger);
        Button order = (Button) findViewById(R.id.btn);
        order.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                str = "You Selected : \n";
```

```
        tot = 0;
        if(c1.isChecked()){
            Integer p1 = 10;
            tot += p1;
            str += c1.getText().toString()+" : $" +p1+"\n";
        }
        if(c2.isChecked()){
            Integer p2 = 5;
            tot += p2;
            str += c2.getText().toString()+" : $" +p2+"\n";
        }
        if(c3.isChecked()){
            Integer p3 = 8;
            tot+=p3;
            str+=c3.getText().toString()+" : $" +p3+"\n";
        }
        str+="Total : $" +tot;
        Toast.makeText(getApplicationContext(), str, Toast.LENGTH_SHORT).show();
    }
});
}

public void custm(View view) {
    boolean checked = ((CheckBox)view).isChecked();
    result="";
    LayoutInflater inflater = getLayoutInflater();
    View object = inflater.inflate(R.layout.activity_exp15b, (ViewGroup) findViewById(R.id.pizz));
    ImageView item = (ImageView) object.findViewById(R.id.item);
    TextView item_txt = (TextView) object.findViewById(R.id.item_text);
    switch (view.getId()){
        case R.id.pizza:
            result = checked ? "Pizza is added to your cart ":"Pizza is removed from your cart";
            item.setImageResource(R.drawable.img_1);
            break;
        case R.id.coffee:
            result = checked ? "Coffee is added to your cart ":"Coffee is removed from your cart";
            item.setImageResource(R.drawable.coffee);
            break;
        case R.id.burger:
            result = checked ? "Burger is added to your cart ":"Burger is removed from your cart";
            item.setImageResource(R.drawable.img_2);
            break;
    }
    item_txt.setText(result);
    Toast toast = new Toast(getApplicationContext());
    toast.setDuration(toast.LENGTH_LONG);
    toast.setView(object);
    toast.show();
}
}
```

Output:

Name : Aditya Choudhary

Roll no : 19406

MAD Experiments

