

## Experiment 15

### 1.

#### ActivityMain.xml

```
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World, Toast Example"
        android:textColor="#FF0000"
        android:textSize="25sp"
        android:textStyle="bold"/>
    <Button
        android:id="@+id/b1"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:text="Show Toast"
        android:layout_marginTop="20dp"
        android:textColor="#fff"
        android:textSize="20sp" />
</LinearLayout>
```

#### Custom\_toast.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:id="@+id/toast_layout_root"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:background="#DAAA"
        android:orientation="horizontal"
        android:padding="8dp"
        tools:ignore="MissingConstraints">
        <TextView
```

```

        android:id="@+id/toastTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textColor="#FFF" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

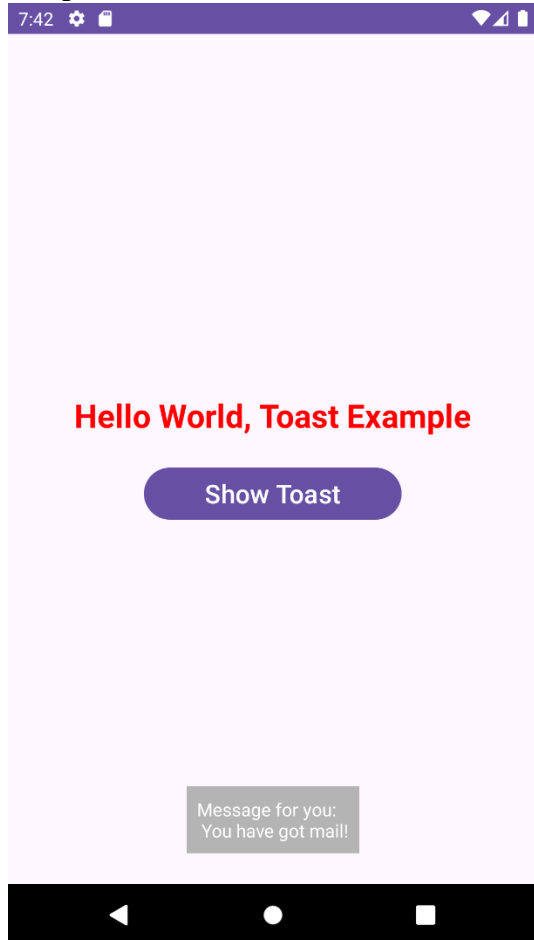
### MainActivity.Java

```

package com.example.exp15_1;
import android.os.Bundle;
import android.view.Gravity;
import android.view.LayoutInflater;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
import android.widget.Button;
import android.view.ViewGroup;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    Button customToast;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        customToast = (Button) findViewById(R.id.b1);
        customToast.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                LayoutInflater inflater = getLayoutInflater();
                View layout = inflater.inflate(R.layout.custom_toast,(ViewGroup)
                    findViewById(R.id.toast_layout_root));
                TextView toastTextView = (TextView)
                    layout.findViewById(R.id.toastTextView);
                toastTextView.setText("Message for you: \n You have got mail!");
                Toast toast = new Toast(getApplicationContext());
                toast.setDuration(Toast.LENGTH_LONG);
                toast.setView(layout);
                toast.show();
            }
        });
    }
}

```

## Output:



2.

### ActivityMain.xml

```
<?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"
    android:orientation="vertical"
    tools:context="MainActivity">
    <CheckBox
        android:id="@+id/checkBox"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="68dp"
        android:layout_marginLeft="165dp"
        android:text="Pizza"/>
    <CheckBox
        android:id="@+id/checkBox2"
        android:layout_width="wrap_content"
```

```

        android:layout_height="wrap_content"
        android:layout_marginTop="28dp"
        android:layout_marginLeft="165dp"
        android:text="Coffee"/>
<CheckBox
    android:id="@+id/checkBox3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="28dp"
    android:layout_marginLeft="165dp"
    android:text="Burger" />
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="140dp"
    android:layout_gravity="center"
    android:text="Order" />
</LinearLayout>

```

### **MainActivity.java**

```

package com.example.exp15_2;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
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 {
    CheckBox pizza,coffe,burger;
    Button buttonOrder;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        addListenerOnButtonClick();
    }
    public void addListenerOnButtonClick(){
        pizza=(CheckBox)findViewById(R.id.checkBox);
        coffe=(CheckBox)findViewById(R.id.checkBox2);
        burger=(CheckBox)findViewById(R.id.checkBox3);
        buttonOrder=(Button)findViewById(R.id.button);
        buttonOrder.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View view) {

```

```

int totalamount=0;
StringBuilder result=new StringBuilder();
result.append("Selected Items:");
if(pizza.isChecked()){
    result.append("\nPizza 100Rs");
    totalamount+=100;
}
if(coffe.isChecked()){
    result.append("\nCoffe 50Rs");
    totalamount+=50;
}
if(burger.isChecked()){
    result.append("\nBurger 120Rs");
    totalamount+=120;
}
result.append("\nTotal: "+totalamount+"Rs");
Toast.makeText(getApplicationContext(), result.toString(),
    Toast.LENGTH_LONG).show();
}
});
}
}

```

## Output:

