**Ex. No 1 CREATE AN APPLICATION THAT SHOWS TOAST MESSAGE HELLO ALONG WITH THE NAME ENTERED IN TEXT BOX**

**activity\_main.xml**

<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"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context=".MainActivity" >

<TextView

android:id="@+id/txtView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:layout\_marginEnd="150dp"

android:layout\_marginStart="150dp"

android:layout\_marginTop="26dp"

android:text="Name" />

<EditText

android:id="@+id/txtName"

android:layout\_width="250dp"

android:layout\_height="100dp"

android:layout\_ toRightOf ="@+id/txtView"

android:layout\_centerHorizontal="true"

android:layout\_marginEnd="8dp"

android:layout\_marginStart="8dp"

android:layout\_marginTop="50dp"

>

<Button

android:id="@+id/btnClick"

android:layout\_width="wrap\_content"

android:layout\_height="40dp"

android:layout\_below="@+id/txtName "

android:layout\_centerHorizontal="true"

android:layout\_marginTop="22dp"

android:text="Click Here" />

</RelativeLayout>

**MainActivity.java**

package com.example.toast;

import android.os.Bundle;

import android.app.Activity;

import android.view.Menu;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity extends Activity {

private TextView txtView;

private EditText txtName;

private Button btnClick;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

txtName=( EditText)findViewById(R.id.txtName);

btnClick=(Button)findViewById(R.id.btnClick);

btnClick.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

StringBuilder strBuilder=new StringBuilder();

strBuilder.append("Hello");

strBuilder.append("\n");

strBuilder.append(txtName.getText().toString());

Toast.makeText(MainActivity.this,strBuilder.toString(),Toast.LENGTH\_SHORT).show();

}

});

}

}

**Ex. No 2**

**CREATE AN APPLICATION THAT DEMONSTRATE ACTIVITY LIFE CYCLE**

**MainActivity.java**

package com.example.lifecycle;

import android.util.\*;

import android.os.Bundle;

import android.app.Activity;

import android.widget.\*;

public class MainActivity extends Activity {

private static final String TAG\_MSG="Activity Life Cycle";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Log.d(TAG\_MSG,"onCreate");

Toast.makeText(getApplicationContext(), "onCreate",Toast.LENGTH\_SHORT).show();

}

@Override

protected void onStart() {

super.onStart();

setContentView(R.layout.activity\_main);

Log.d(TAG\_MSG,"onStart");

Toast.makeText(getApplicationContext(), "onStart",Toast.LENGTH\_SHORT).show();

}

@Override

protected void onRestart() {

super.onRestart();

setContentView(R.layout.activity\_main);

Log.d(TAG\_MSG,"onRestart");

Toast.makeText(getApplicationContext(), "onRestart",Toast.LENGTH\_SHORT).show();

}

@Override

protected void onPause() {

super.onPause();

setContentView(R.layout.activity\_main);

Log.d(TAG\_MSG,"onPause");

Toast.makeText(getApplicationContext(), "onPause",Toast.LENGTH\_SHORT).show();

}

@Override

protected void onStop() {

super.onStop();

setContentView(R.layout.activity\_main);

Log.d(TAG\_MSG,"onStop");

Toast.makeText(getApplicationContext(), "onStop",Toast.LENGTH\_SHORT).show();

}

@Override

protected void onResume() {

super.onResume();

setContentView(R.layout.activity\_main);

Log.d(TAG\_MSG,"onResume");

Toast.makeText(getApplicationContext(), "onResume",Toast.LENGTH\_SHORT).show();

}

@Override

protected void onDestroy() {

super.onDestroy();

setContentView(R.layout.activity\_main);

Log.d(TAG\_MSG,"onDestroy");

Toast.makeText(getApplicationContext(), "onDestroy",Toast.LENGTH\_SHORT).show();

}

}

**Ex.No: 3 CREATE AN APPLICATION TO SELECT MULTIPLE CHOICES USING CHECKBOX**

**activity\_main.xml**

<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"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context=".MainActivity" >

<TextView

android:id="@+id/txtView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:layout\_marginEnd="150dp"

android:layout\_marginStart="150dp"

android:layout\_marginTop="26dp"

android:text="Hobbies" />

<LinearLayout

android:id="@+id/linearLayout1"

android:layout\_width="250dp"

android:layout\_height="100dp"

android:layout\_below="@+id/txtView"

android:layout\_centerHorizontal="true"

android:layout\_marginEnd="8dp"

android:layout\_marginStart="8dp"

android:layout\_marginTop="50dp"

android:orientation="vertical" >

<CheckBox

android:id="@+id/chkBox1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Listening Music" />

<CheckBox

android:id="@+id/chkBox3"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Dancing" />

<CheckBox

android:id="@+id/chkBox2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Singing" />

</LinearLayout>

<Button

android:id="@+id/btnClick"

android:layout\_width="wrap\_content"

android:layout\_height="40dp"

android:layout\_below="@+id/linearLayout1"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="22dp"

android:text="SUBMIT" />

</RelativeLayout>

**MainActivity.java**

package com.example.toast;

import android.os.Bundle;

import android.app.Activity;

import android.view.Menu;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity extends Activity {

private TextView txtView;

private CheckBox chkBox1, chkBox2, chkBox3;

private Button btnClick;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

//txtView=(TextView)findViewById(R.id.txtView);

chkBox1=(CheckBox)findViewById(R.id.chkBox1);

chkBox2=(CheckBox)findViewById(R.id.chkBox2);

chkBox3=(CheckBox)findViewById(R.id.chkBox3);

btnClick=(Button)findViewById(R.id.btnClick);

btnClick.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

StringBuilder strBuilder=new StringBuilder();

strBuilder.append("Chosen Answers");

strBuilder.append("\n");

if(chkBox1.isChecked()){

strBuilder.append(chkBox1.getText().toString());

strBuilder.append("\n");

}

if(chkBox2.isChecked()){

strBuilder.append(chkBox2.getText().toString());

strBuilder.append("\n");

}

if(chkBox3.isChecked()){

strBuilder.append(chkBox3.getText().toString());

strBuilder.append("\n");

}

if(!chkBox1.isChecked() && !chkBox2.isChecked() && !chkBox3.isChecked()){

strBuilder.append("None Selected..");

}

Toast.makeText(MainActivity.this,strBuilder.toString(),Toast.LENGTH\_SHORT).show();

}

});

}

}