**Assignment-9**

**Aim: Implement the toolbar (Actionbar) along with menu items in Android.**

**code:**

**xml file 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:id="@+id/main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="@drawable/ppbg"

tools:context=".MainActivity">

<!-- Add Toolbar at the Top -->

<androidx.appcompat.widget.Toolbar

android:id="@+id/toolbar"

android:layout\_width="match\_parent"

android:layout\_height="?attr/actionBarSize"

android:background="#000001"

android:theme="?attr/actionBarTheme"

android:elevation="4dp"

android:layout\_marginTop="13dp"

app:title="My Application"

app:titleTextColor="@android:color/white"

/>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:gravity="center">

<ImageView

android:id="@+id/imageView"

android:layout\_width="170dp"

android:layout\_height="75dp"

android:scaleType="centerCrop"

android:src="@drawable/ppsu" />

<Button

android:id="@+id/button"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-1"

android:layout\_marginTop="25dp"/>

<Button

android:id="@+id/button2"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-2"

android:layout\_marginTop="10dp"/>

<Button

android:id="@+id/button3"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-3"

android:layout\_marginTop="10dp"/>

<Button

android:id="@+id/button4"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-4"

android:layout\_marginTop="10dp"/>

<Button

android:id="@+id/button5"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-5"

android:layout\_marginTop="10dp"/>

<Button

android:id="@+id/button6"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-6"

android:layout\_marginTop="10dp"/>

<Button

android:id="@+id/button7"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-7"

android:layout\_marginTop="10dp"/>

<Button

android:id="@+id/button8"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-8"

android:layout\_marginTop="10dp"/>

<Button

android:id="@+id/button9"

android:layout\_width="165dp"

android:layout\_height="50dp"

android:text="Assignment-9"

android:layout\_marginTop="10dp"/>

</LinearLayout>

</RelativeLayout>

**.java file code:**

package com.example.myapplication;

import android.content.Intent;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuInflater;

import android.view.MenuItem;

import android.view.View;

import android.widget.Button;

import android.widget.Toast;

import androidx.activity.EdgeToEdge;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import androidx.appcompat.widget.Toolbar;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

Button assg\_1, assg\_2, assg\_3, assg\_4, assg\_5, assg\_6, assg\_7, assg\_8, assg\_9;

@Override

public boolean onCreateOptionsMenu(Menu menu) {

MenuInflater mif = getMenuInflater();

mif.inflate(R.menu.menu, menu);

return super.onCreateOptionsMenu(menu);

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

if(item.getItemId()==R.id.setting){

Toast.makeText(this, "Click on setting!", Toast.LENGTH\_SHORT).show();

return true;

} else if (item.getItemId()==R.id.dash) {

Toast.makeText(this, "Dash Board click", Toast.LENGTH\_SHORT).show();

return true;

} else if (item.getItemId()==R.id.theme) {

Toast.makeText(this, "Theme is change", Toast.LENGTH\_SHORT).show();

return true;

} else if (item.getItemId()==R.id.exit) {

finish();

}

return super.onOptionsItemSelected(item);

}

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

EdgeToEdge.enable(this);

setContentView(R.layout.activity\_main);

Toolbar tb = (Toolbar) findViewById(R.id.toolbar);

setSupportActionBar(tb);

// Initialize Buttons

assg\_1 = findViewById(R.id.button);

assg\_2 = findViewById(R.id.button2);

assg\_3 = findViewById(R.id.button3);

assg\_4 = findViewById(R.id.button4);

assg\_5 = findViewById(R.id.button5);

assg\_6 = findViewById(R.id.button6);

assg\_7 = findViewById(R.id.button7);

assg\_8 = findViewById(R.id.button8);

assg\_9 = findViewById(R.id.button9);

// create a event

assg\_1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, helloworld.class);

startActivity(intent);

}

});

assg\_2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, bothLogin.class);

startActivity(intent);

}

});

assg\_3.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, lifecycle.class);

startActivity(intent);

}

});

assg\_4.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, layout.class);

startActivity(intent);

}

});

assg\_5.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, laylist.class);

startActivity(intent);

}

});

assg\_6.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, checkRadio.class);

startActivity(intent);

}

});

assg\_7.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, Datepicker.class);

startActivity(intent);

}

});

assg\_8.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, List\_example.class);

startActivity(intent);

}

});

assg\_9.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(MainActivity.this, ProgressBar.class);

startActivity(intent);

}

});

}

}

**Menu.xml code:**

<?xml version="1.0" encoding="utf-8"?>

<menu xmlns:android="http://schemas.android.com/apk/res/android">

<item

android:id="@+id/setting"

android:title="Setting">

</item>

<item

android:id="@+id/dash"

android:title="Dashboard">

</item>

<item

android:id="@+id/theme"

android:title="Change Theme">

</item>

<item

android:id="@+id/exit"

android:title="Exit">

</item>

</menu>

**OUTPUT:**

