Practical No : 06a
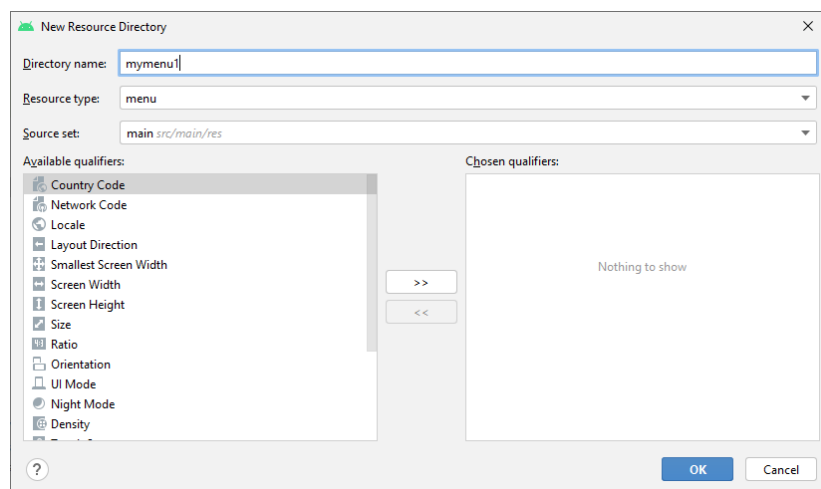
Aim : **Create Android application for the following menu items, the appropriate toast should appear by clicking on the item:**
Settings, search, compose mail, feedback

activity_main.xml

Right click on res folder and selecte New -> Android Resource Directory and add details as given below

Update mymenu1.xml as given below:

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">

    <item android:id="@+id/i1"
        android:title="Welcome user" >
        <menu >

            <item android:id="@+id/i2"
                android:title="Inbox" />
            <item
                android:id="@+id/i3"
                android:title="Draft">
                <menu />
            </item>
        </menu>
    </item>
    <item android:id="@+id/i4"
        android:title="Setting" />
    <item android:id="@+id/i5"
        android:title="Search" />
    <item android:id="@+id/i6"
        android:title="Feedback" />
    <item android:id="@+id/i7"
        android:title="Compose back " />

</menu>
```

MainActivity.java

```java
package com.example.menudemo1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.Menu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater mi = getMenuInflater();
        mi.inflate(R.menu.menu1, menu);
        return true;
    }


    public boolean onOptionsItemSelected(MenuItem item) {

        switch (item.getItemId()) {
            case R.id.i1:
                Toast.makeText(this, "Cicked Main Menu", Toast.LENGTH_SHORT).show();
                break;
            case R.id.i2:
                Toast.makeText(this, "Inbox is clciked", Toast.LENGTH_SHORT).show();
                break;
            case R.id.i3:
                Toast.makeText(this, "Draft is clicked", Toast.LENGTH_SHORT).show();
                break;
        }
        return true;

    }
}
```
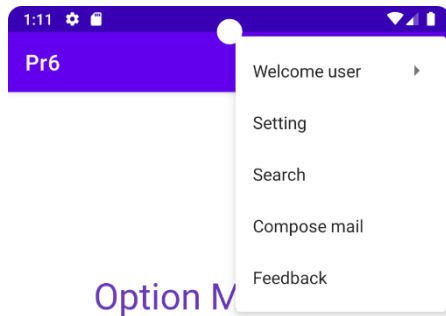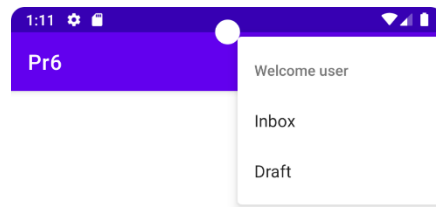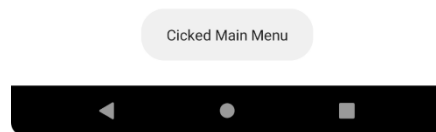
Option Menu Demo

Cicked Main Menu

Popup Menu

Step 1:
Create New android Resource Directory Name it as – "menu" , Select Resource Type –
Menu
Step 2:
Create new Menu resource File
Name : menu1
Step 3: Type following code for popup1.xml

menu1.xml
```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:android="http://schemas.android.com/apk/res/android">

    <item android:title="cut" />
    <item android:title="copy" />
    <item android:title="paste" />
</menu>
```

Step 4: Design mainactivity.xml

Main activity.xml

```xml
<?xml version = "1.0" encoding = "utf-8"?>
<LinearLayout xmlns:android = "http://schemas.android.com/apk/res/android"
    xmlns:tools = "http://schemas.android.com/tools"
    android:id = "@+id/rootview"
    android:layout_width = "match_parent"
    android:layout_height = "match_parent"
    android:orientation = "vertical"
    android:background = "#c1c1c1"
    android:gravity = "center_horizontal"
    tools:context = ".MainActivity">

    <Button
        android:id = "@+id/popup"
        android:text = "Click to get Pop-Up menu"
        android:layout_width = "wrap_content"
        android:layout_height = "wrap_content"
        android:onClick="pop"/>
</LinearLayout>
```

MainActivity.java

```java
package com.example.popupdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.PopupMenu;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {


    Button popupButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        popupButton = findViewById(R.id.popup);
    }

    public void pop(View v)
    {

        PopupMenu p = new PopupMenu(MainActivity.this, popupButton);
        p.getMenuInflater().inflate(R.menu.popup1, p.getMenu());
        p.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener()
        {
            public boolean onMenuItemClick (MenuItem item){
            Toast.makeText(MainActivity.this, item.getTitle(),
Toast.LENGTH_SHORT).show();
            return true;
        }
        });
        p.show();
    }

}
```

Output:

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