

Activity_main.xml

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

    <?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:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:context=".MainActivity">

        <GridLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:rowCount="3"
            android:columnCount="2">

            <androidx.cardview.widget.CardView
                android:layout_row="0"
                android:layout_column="0"
                android:layout_rowWeight="1"
                android:layout_columnWeight="1"
                android:layout_margin="6dp">

                <LinearLayout
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:gravity="center"
                    android:layout_gravity="center">

                    <ImageView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:src="@drawable/ic_android_black_24dp.xml">

                    </ImageView>
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:text="Contacts">

                    </TextView>
                </LinearLayout>

            </androidx.cardview.widget.CardView>
            <androidx.cardview.widget.CardView
```

```
android:layout_row="0"
android:layout_column="1"
android:layout_rowWeight="1"
android:layout_columnWeight="1"
android:layout_margin="6dp">
```

```
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:layout_gravity="center">
    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/ic_android_black_24dp.xml">

    </ImageView>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Calender">

    </TextView>
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
<androidx.cardview.widget.CardView
    android:layout_row="1"
    android:layout_column="0"
    android:layout_rowWeight="1"
    android:layout_columnWeight="1"
    android:layout_margin="6dp">

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:layout_gravity="center">
        <ImageView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:src="drawable/ic_android_black_24dp.xml">

        </ImageView>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
```

```

        android:text="Clock">

    </TextView>
</LinearLayout>

</androidx.cardview.widget.CardView>
<androidx.cardview.widget.CardView
    android:layout_row="1"
    android:layout_column="1"
    android:layout_rowWeight="1"
    android:layout_columnWeight="1"
    android:layout_margin="6dp">

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:layout_gravity="center">
        <ImageView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:src="@drawable/ic_android_black_24dp.xml">

            </ImageView>
            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Message">

                </TextView>
            </LinearLayout>

        </androidx.cardview.widget.CardView>

</GridLayout>

</RelativeLayout>

```

Mainactivity.java

```
package com.example.prac2;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.os.Bundle;
```

```
public class MainActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
    }  
}
```