PROGRAM 4

AIM : Implement Options Menu to navigate to activities.

PROGRAM CODE :

Main Activity.java

```java
package com.example.optionmenu;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;


import android.content.Intent;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuInflater;

import android.view.MenuItem;


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){
```

```java
        MenuInflater inflater=getMenuInflater();

    inflater.inflate(R.menu.menu_menuoption,menu);

        return true;

    //return super.onCreateOptionsMenu(menu);

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item){

        int id=item.getItemId();

    if(id==R.id.action_settings)

        {

        Intent set=new Intent(MainActivity.this,settings.class);

        startActivity(set);

        }

    if(id==R.id.action_home)

        {

        Intent home=new Intent(MainActivity.this,home.class);

        startActivity(home);

        }

    if(id==R.id.action_contact)

        {

        Intent contact=new Intent(MainActivity.this,contact.class);

        startActivity(contact);

        }

    if(id==R.id.action_share)
```

```java
        {
            Intent share=new Intent(MainActivity.this,share.class);

            startActivity(share);

        }

        return super.onOptionsItemSelected(item);

    }

}
```

Activity_main.xml

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

<androidx.constraintlayout.widget.ConstraintLayout
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">


    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="Hello World!"

        app:layout_constraintBottom_toBottomOf="parent"

        app:layout_constraintLeft_toLeftOf="parent"

        app:layout_constraintRight_toRightOf="parent"

            app:layout_constraintTop_toTopOf="parent" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

Share.java

```java
package com.example.optionmenu;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class share extends AppCompatActivity {

  @Override

  protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_share);

  }

}
```

Activity_share.xml

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

<androidx.constraintlayout.widget.ConstraintLayout
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=".share">

  <TextView

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"
```

```
        android:text="Share"

        android:textSize="30sp"

        android:textStyle="bold"

        tools:ignore="MissingConstraints" />

    </androidx.constraintlayout.widget.ConstraintLayout>
```

Home.java

```java
package com.example.optionmenu;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class home extends AppCompatActivity {

  @Override

  protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_home);

  }

}
```

activity_home.xml

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

<androidx.constraintlayout.widget.ConstraintLayout
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=".home">

        <TextView

            android:layout_width="wrap_content"

            android:layout_height="wrap_content"

            android:text="Home"

            android:textSize="30sp"

                android:textStyle="bold"

            tools:ignore="MissingConstraints" />

    </androidx.constraintlayout.widget.ConstraintLayout>
```

Contact.java

```java
package com.example.optionmenu;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;


public class contact extends AppCompatActivity {


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_contact);

    }
}
```

Activity_contact.xml

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

<androidx.constraintlayout.widget.ConstraintLayout
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=".contact">

    <TextView

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="Contact"

        android:textSize="30sp"

        android:textStyle="bold"

        tools:ignore="MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>
```
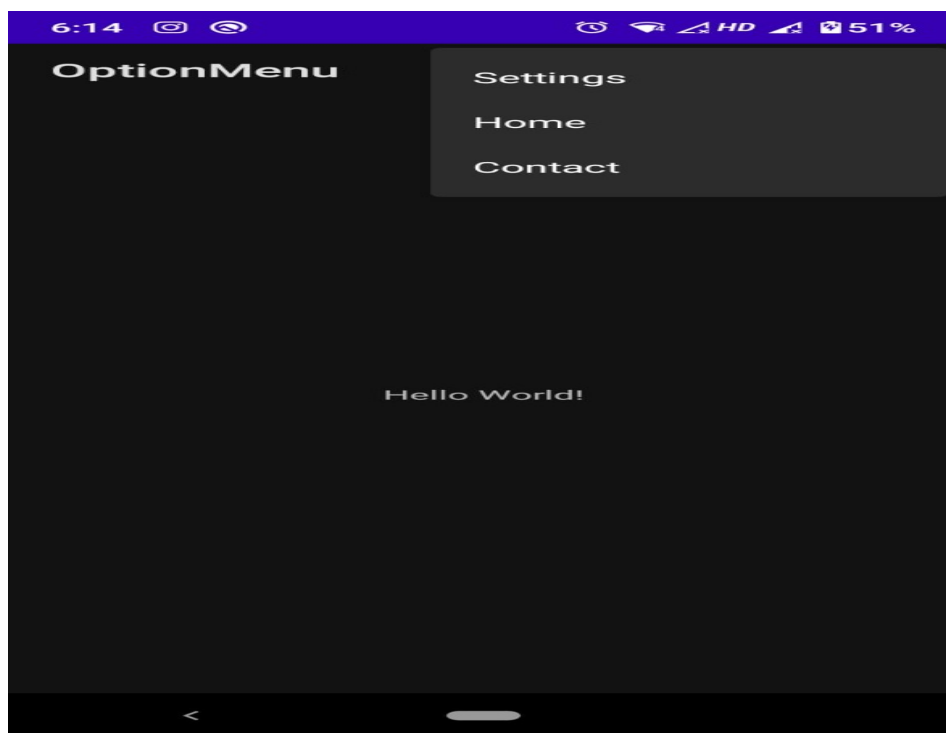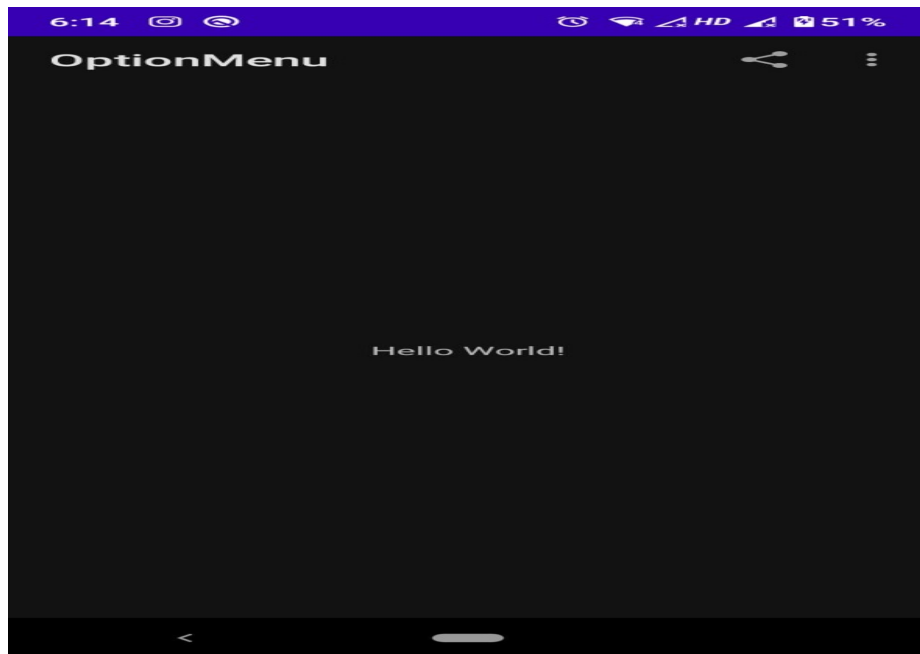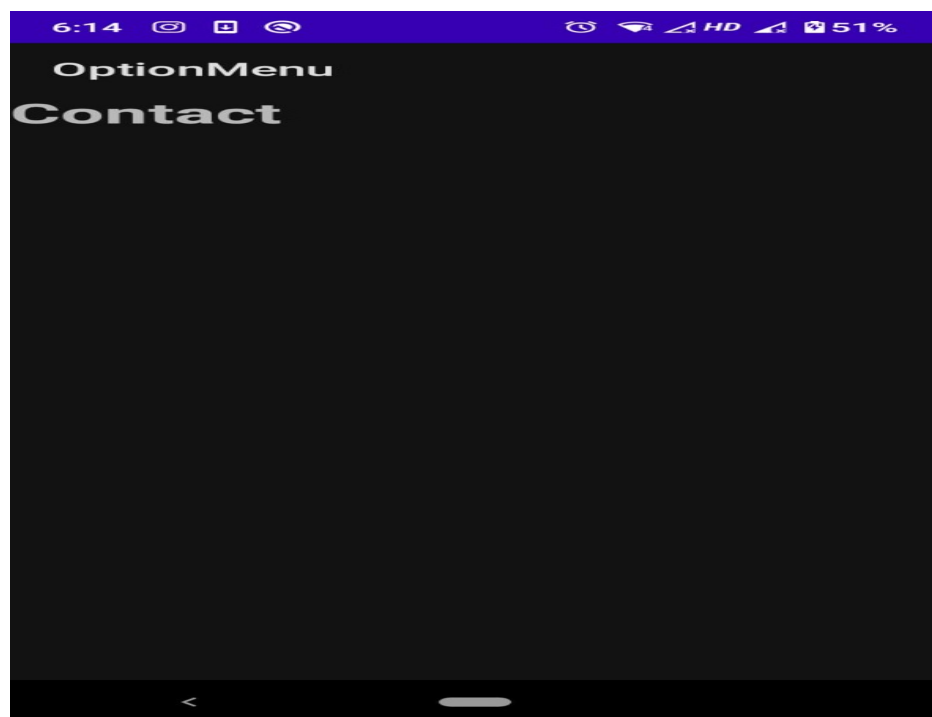
Settings.java

```java
package com.example.optionmenu;


import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class settings extends AppCompatActivity {
```

```java
        @Override

        protected void onCreate(Bundle savedInstanceState) {

            super.onCreate(savedInstanceState);

            setContentView(R.layout.activity_settings);

        }

    }
```

activity_settings.xml

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

        <androidx.constraintlayout.widget.ConstraintLayout
        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=".settings">

            <TextView

                android:layout_width="wrap_content"

                android:layout_height="wrap_content"

                android:text="Settings"

                android:textSize="30sp"

                android:textStyle="bold"

                tools:ignore="MissingConstraints" />

        </androidx.constraintlayout.widget.ConstraintLayout>
```
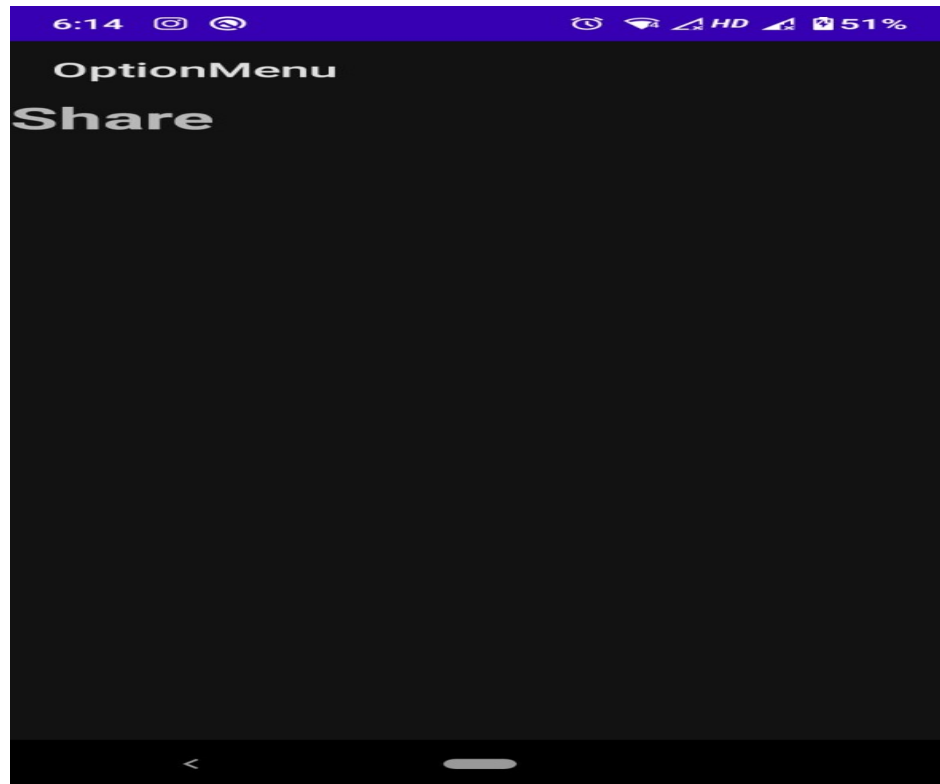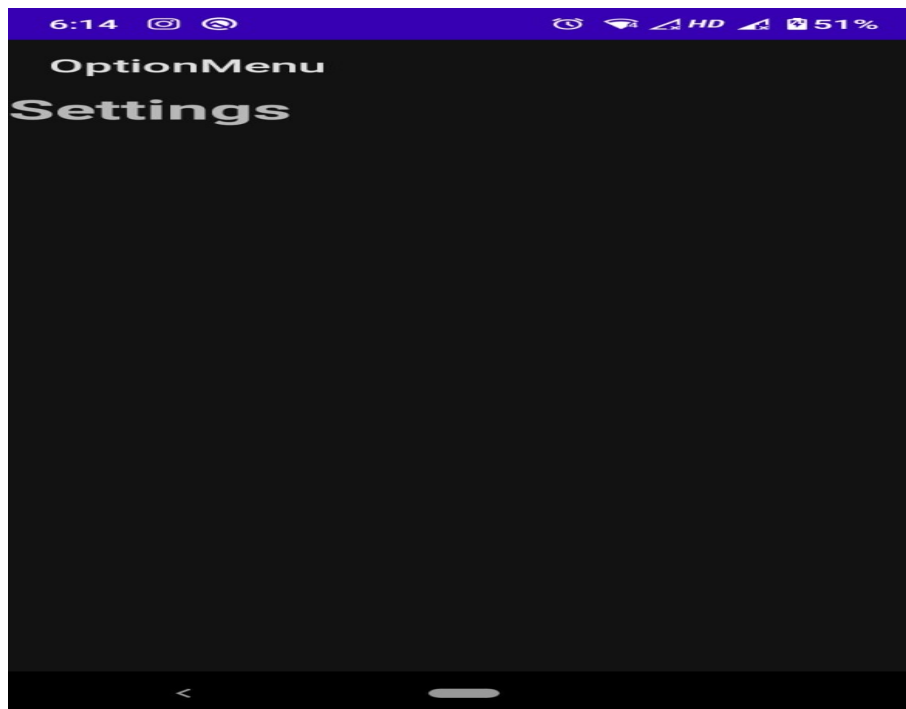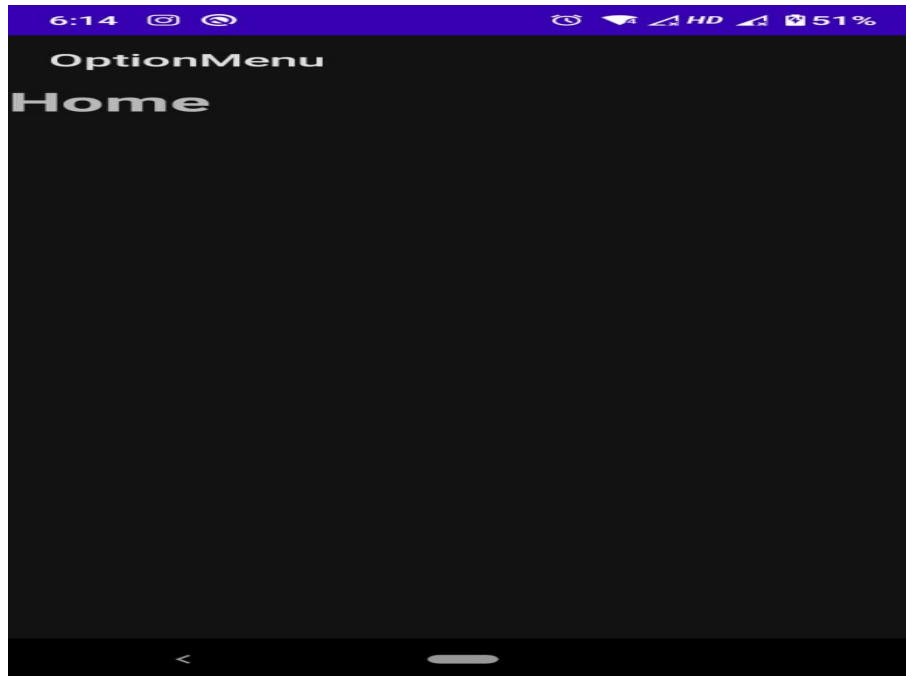
OUTPUT

Share

Contact

RESULT : Program has been succesfully executed and output is obtained.