Experiment 32

1.
Activity_main.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:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center_horizontal"
    tools:context=".MainActivity">
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/et_source"
        android:hint="Enter Source Location"
        android:padding="12dp"
        android:background="@android:drawable/editbox_background"/>
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/et_destination"
        android:hint="Enter Destination Location"
        android:padding="12dp"
        android:layout_marginTop="8dp"
        android:background="@android:drawable/editbox_background"/>
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/bt_track"
        android:text="Display Track"
        android:layout_marginTop="16dp"/>
</LinearLayout>
```

MainActivity.java

```java
package com.example.exp32;
import androidx.appcompat.app.AppCompatActivity;
import android.content.ActivityNotFoundException;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
```

```java
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
 EditText etSource,etDestination;
 Button btTrack;
 @Override
 protected void onCreate(Bundle savedInstanceState) {
  super.onCreate(savedInstanceState);
  setContentView(R.layout.activity_main);
  etSource = findViewById(R.id.et_source);
  etDestination = findViewById(R.id.et_destination);
  btTrack = findViewById(R.id.bt_track);
  btTrack.setOnClickListener(new View.OnClickListener() {
   @Override
   public void onClick(View v) {
    String sSource = etSource.getText().toString().trim();
    String sDestination = etDestination.getText().toString().trim();
    if(sSource.equals("") && sDestination.equals("")){
     Toast.makeText(getApplicationContext(),"Enter both
location",Toast.LENGTH_SHORT).show();
    }else {
     DisplayTrack(sSource,sDestination);
    }
   }
  });
 }
 private void DisplayTrack(String sSource, String sDestination) {
  try {
   Uri uri =
        Uri.parse("https://www.google.co.in/maps/dir/"+sSource+"/"+sDestination);
   Intent intent = new Intent(Intent.ACTION_VIEW,uri);
   intent.setPackage("com.google.android.apps.maps");
   intent.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
   startActivity(intent);
  }catch (ActivityNotFoundException e){
   Uri uri =

Uri.parse("https://play.google.com/store/apps/details?id=com.google.android.apps.maps");
          Intent intent = new Intent(Intent.ACTION_VIEW,uri);
   intent.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
   startActivity(intent);
  }
 }
}
```

Output: