DATE:01/03/2024

AIM:-

Develop an android application to create two activities named as Student Basic Details (Register No., Name, Department) and Student Mark Details (SSLC, HSC, UG). Write an android code to combine these two activities in single screen using android fragment.

PROCEDURE:-

Step 1: Create a new project.

Step 2: Create a layout for each activity.

Step 3: Create corresponding kotlin classes.

Step 4: Implement fragment layouts.

Step 5: Modify MainActivity layout.

Step 6: Modify MainActivity.kt.

Step 7: Run the application.

PROGRAM CODE:-

AndroidManifest.xml:

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
package="com.example.studentdetails">
    <application
    android:allowBackup="true"
    android:icon="@mipmap/ic_launcher"
    android:label="@string/app_name"</pre>
```

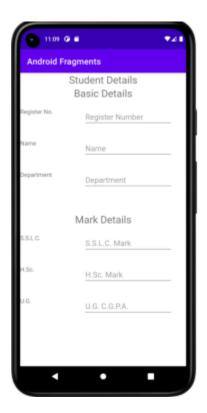
```
android:roundIcon="@mipmap/ic_launcher_round"
    android:supportsRtl="true"
    android:theme="@style/AppTheme">
    <activity android:name=".StudentBasicDetailsActivity" />
    <activity android:name=".StudentMarkActivity" />
    <activity android:name=".MainActivity">
       <intent-filter>
         <action android:name="android.intent.action.MAIN" />
         <category android:name="android.intent.category.LAUNCHER" />
       </intent-filter>
    </activity>
  </application>
</manifest>
activity main.xml:
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
  xmlns:tools="http://schemas.android.com/tools"
  android:layout width="match parent"
  android:layout height="match parent"
  tools:context=".MainActivity">
  < Frame Layout
    android:id="@+id/fragment container"
    android:layout width="match parent"
```

```
android:layout height="match parent" />
</RelativeLayout>
MainActivity.kt:
package com.example.studentdetails
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
class MainActivity : AppCompatActivity() {
  override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    setContentView(R.layout.activity main)
    supportFragmentManager.beginTransaction()
       .replace(R.id.fragment_container, StudentBasicDetailsFragment())
       .commit()
StudentBasicDetailsFragment.kt:
package com.example.studentdetails
import android.os.Bundle
import androidx.fragment.app.Fragment
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
```

```
class StudentBasicDetailsFragment : Fragment() {
  override fun onCreateView(
    inflater: LayoutInflater, container: ViewGroup?,
    savedInstanceState: Bundle?
  ): View? {
    // Inflate the layout for this fragment
    return inflater.inflate(R.layout.fragment student basic details, container,
false)
  }
StudentMarkDetailsFragment.kt:
package com.example.studentdetails
import android.os.Bundle
import androidx.fragment.app.Fragment
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
class StudentMarkDetailsFragment : Fragment() {
  override fun onCreateView(
    inflater: LayoutInflater, container: ViewGroup?,
    savedInstanceState: Bundle?
  ): View? {
    // Inflate the layout for this fragment
```

return inflater.inflate(R.layout.fragment_student_mark_details, container,
false)
}

OUTPUT:-



RESULT:-

Thus to develop an android application to create two activities named as Student Basic Details and Student Mark Details.is implemented and executed successfully.