

Experiment 6

Develop an android application to invoke built in application like browser, google map and call dialer.

Activity.kt

```
1. package com.example.appdrawer
2.
3. import android.content.Intent
4. import android.net.Uri
5. import androidx.appcompat.app.AppCompatActivity
6. import android.os.Bundle
7. import android.widget.ImageView
8. import kotlinx.android.synthetic.main.activity_main.*
9.
10. class MainActivity : AppCompatActivity() {
11.
12.     override fun onCreate(savedInstanceState: Bundle?) {
13.         super.onCreate(savedInstanceState)
14.         setContentView(R.layout.activity_main)
15.
16.         browserBtn.setOnClickListener {
17.             val webIntent: Intent = Intent(Intent.ACTION_VIEW, Uri.parse("https://shash
18. wa7.netlify.app"))
19.             startActivity(webIntent)
20.         }
21.
22.         dialBtn.setOnClickListener {
23.             val callIntent: Intent = Intent(Intent.ACTION_DIAL, Uri.parse("tel:+91-
24. 9694174289"))
25.             startActivity(callIntent)
26.         }
27.
28.         mapBtn.setOnClickListener {
29.             val mapIntent: Intent = Uri.parse(
30.                 "geo:20.278983, 72.983863"
31.             ).let { location ->
32.                 Intent(Intent.ACTION_VIEW, location)
33.             }
34.             startActivity(mapIntent)
35.         }
36.     }
37. }
```

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Acitvity.xml

```
1. <?xml version="1.0" encoding="utf-8"?>
2. <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3.     xmlns:app="http://schemas.android.com/apk/res-auto"
4.     xmlns:tools="http://schemas.android.com/tools"
5.     android:layout_width="match_parent"
6.     android:layout_height="match_parent"
7.     tools:context=".MainActivity">
8.
9.     <ImageView
10.         android:id="@+id/background"
11.         android:layout_width="match_parent"
12.         android:layout_height="match_parent"
13.         android:scaleType="centerCrop"
14.         app:srcCompat="@drawable/bg2"
15.         tools:layout_editor_absoluteX="0dp"
16.         tools:layout_editor_absoluteY="179dp" />
17.
18.     <Button
19.         android:id="@+id/mapBtn"
20.         android:layout_width="wrap_content"
21.         android:layout_height="wrap_content"
22.         android:background="#FF77A5"
23.         android:fontFamily="monospace"
24.         android:paddingStart="10dp"
25.         android:paddingTop="10dp"
26.         android:paddingEnd="10dp"
27.         android:paddingBottom="10dp"
28.         android:text="@string/mapBtn_txt"
29.         android:textAlignment="center"
30.         android:textSize="18sp"
31.         android:textStyle="bold"
32.         app:layout_constraintBaseline_toBaselineOf="@+id/dialBtn"
33.         app:layout_constraintEnd_toEndOf="parent"
34.         app:layout_constraintHorizontal_bias="0.5"
35.         app:layout_constraintStart_toEndOf="@+id/dialBtn" />
36.
37.     <Button
38.         android:id="@+id/browserBtn"
39.         android:layout_width="wrap_content"
40.         android:layout_height="wrap_content"
41.         android:background="#7EFF70"
42.         android:fontFamily="monospace"
43.         android:paddingStart="10dp"
44.         android:paddingTop="10dp"
45.         android:paddingEnd="10dp"
46.         android:paddingBottom="10dp"
47.         android:text="@string/browserBtn_txt"
48.         android:textAlignment="center"
49.         android:textSize="18sp"
50.         android:textStyle="bold"
51.         app:layout_constraintBaseline_toBaselineOf="@+id/dialBtn"
```

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```
52.         app:layout_constraintEnd_toStartOf="@+id/dialBtn"
53.         app:layout_constraintHorizontal_bias="0.5"
54.         app:layout_constraintStart_toStartOf="parent" />
55.
56.     <Button
57.         android:id="@+id/dialBtn"
58.         android:layout_width="wrap_content"
59.         android:layout_height="wrap_content"
60.         android:layout_marginTop="60dp"
61.         android:background="#FBE733"
62.         android:fontFamily="monospace"
63.         android:paddingStart="10dp"
64.         android:paddingTop="10dp"
65.         android:paddingEnd="10dp"
66.         android:paddingBottom="10dp"
67.         android:text="@string/dialBtn_txt"
68.         android:textAlignment="center"
69.         android:textSize="18sp"
70.         android:textStyle="bold"
71.         app:layout_constraintBottom_toBottomOf="parent"
72.         app:layout_constraintEnd_toStartOf="@+id/mapBtn"
73.         app:layout_constraintHorizontal_bias="0.5"
74.         app:layout_constraintStart_toEndOf="@+id/browserBtn"
75.         app:layout_constraintTop_toBottomOf="@+id/profilePic"
76.         app:layout_constraintVertical_bias="0.097" />
77.
78.     <TextView
79.         android:id="@+id/personalInfo"
80.         android:layout_width="wrap_content"
81.         android:layout_height="wrap_content"
82.         android:layout_marginTop="70dp"
83.         android:fontFamily="monospace"
84.         android:text="@string/appTitle"
85.         android:textAlignment="center"
86.         android:textColor="#031470"
87.         android:textSize="36sp"
88.         android:textStyle="bold"
89.         app:layout_constraintEnd_toEndOf="parent"
90.         app:layout_constraintHorizontal_bias="0.474"
91.         app:layout_constraintStart_toStartOf="parent"
92.         app:layout_constraintTop_toTopOf="parent" />
93.
94.     <ImageView
95.         android:id="@+id/profilePic"
96.         android:layout_width="245dp"
97.         android:layout_height="197dp"
98.         android:layout_marginTop="60dp"
99.         android:scaleType="centerInside"
100.         app:layout_constraintEnd_toEndOf="parent"
101.         app:layout_constraintHorizontal_bias="0.445"
102.         app:layout_constraintStart_toStartOf="parent"
103.         app:layout_constraintTop_toBottomOf="@+id/personalInfo"
104.         app:srcCompat="@drawable/profile" />
105.
106. </androidx.constraintlayout.widget.ConstraintLayout>
```

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Snapshots:

