

Experiment-1(b)

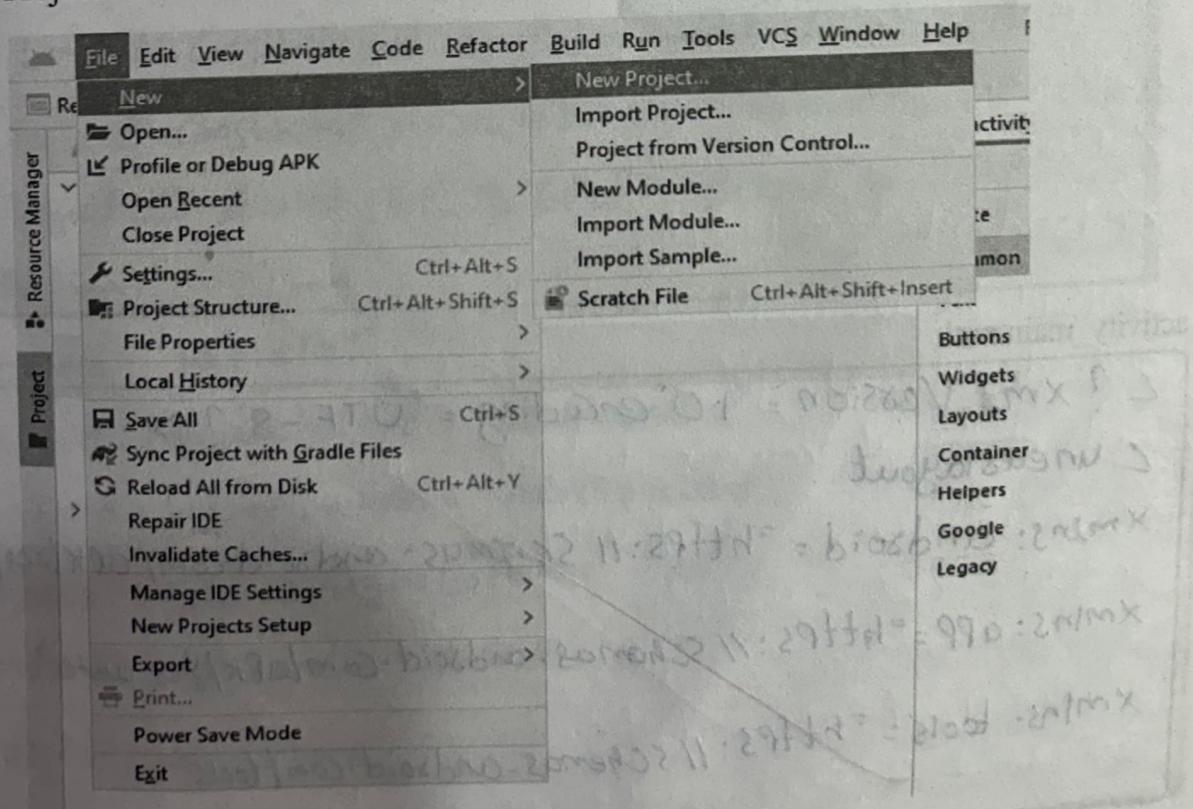
Date: 29/8/25

AIM

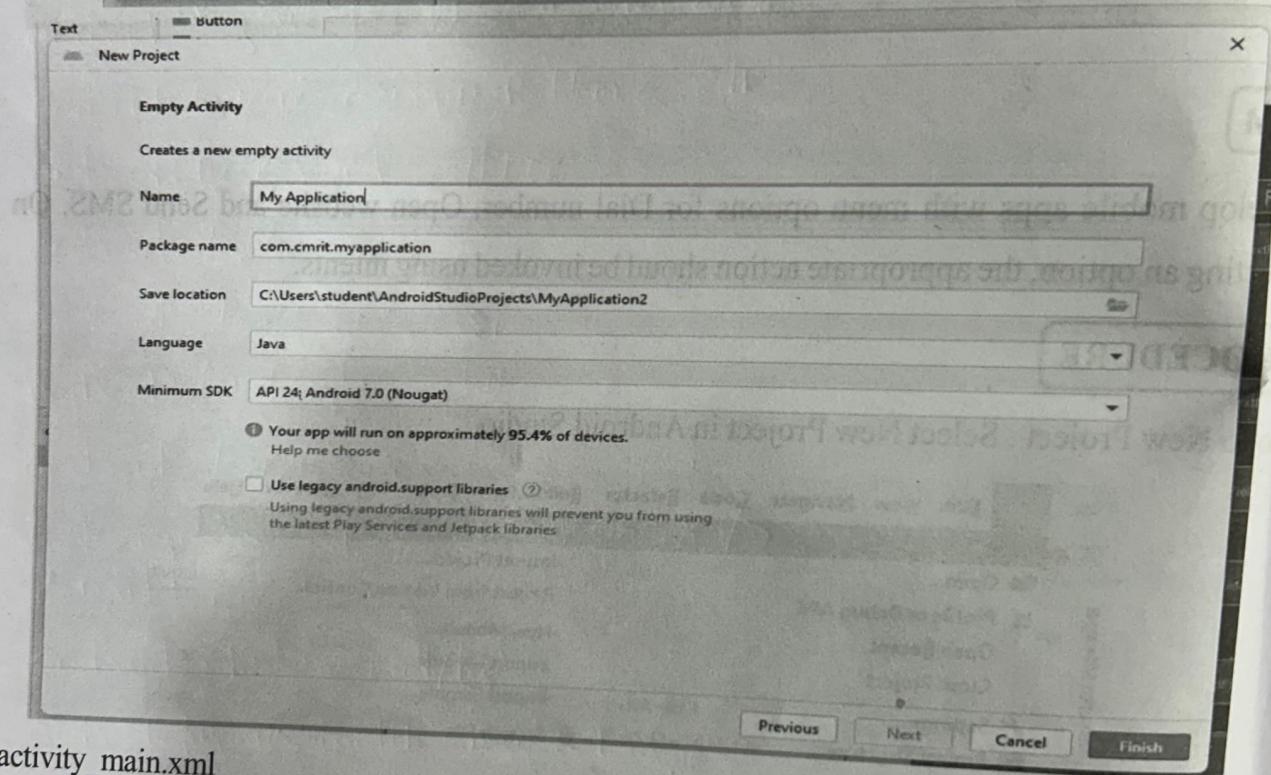
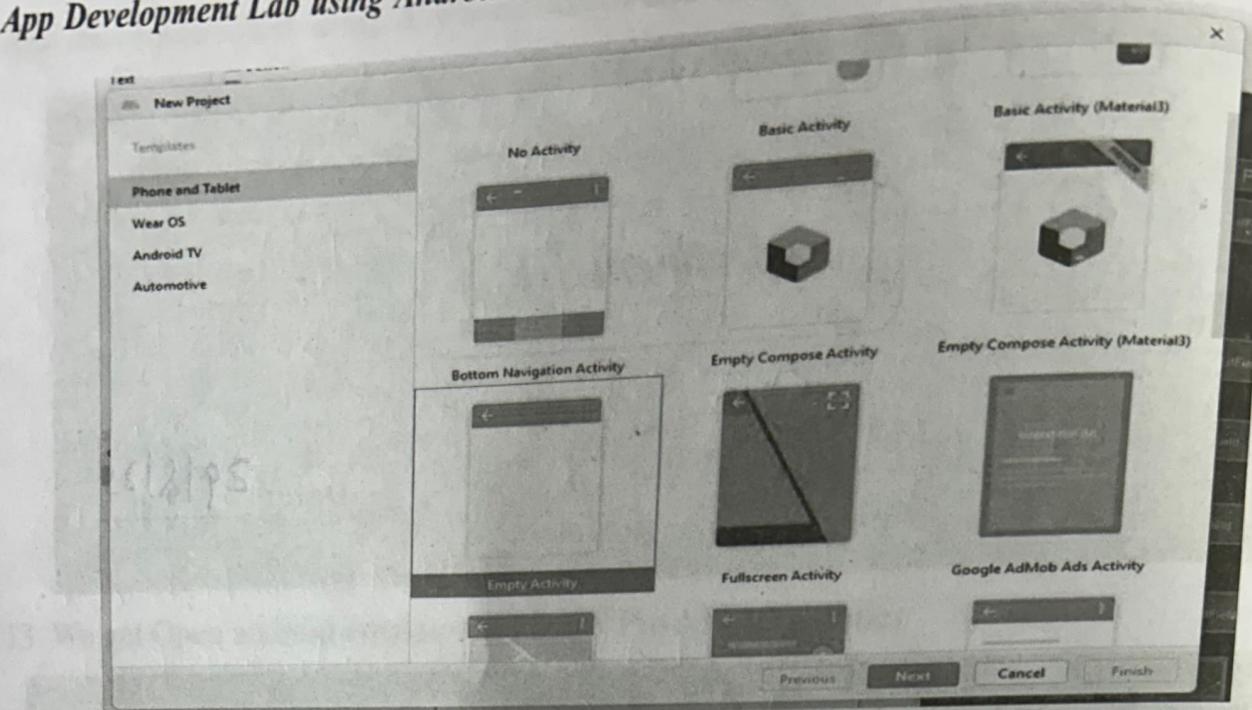
Develop mobile apps with menu options for Dial number, Open website and Send SMS. On selecting an option, the appropriate action should be invoked using intents.

PROCEDURE

Go to New Project . Select New Project in Android Studio



App Development Lab using Android/Flutter/Flask



activity_main.xml

< ?xml Version = "1.0" encoding = "UTF-8" ? >
< !-->
< !-->
 xmlns: android = "https://schemas.android.com/apk/res/android"
 xmlns: app = "https://schemas.android.com/apk/res-auto"
 xmlns: tools = "https://schemas.android.com/tools"

android:layout_width = "match_parent"

android:orientation = "vertical"

android:background = "#fff"

tools:context = "MainActivity" />

<TextView

android:id = "@+id/tv1"

android:layout_width = "wrap_content"

android:layout_height = "wrap_content"

android:text = "MemOptions"

android:textAlignment = "center"

android:textColor = "#570623"

android:textSize = "40sp"

android:textStyle = "italic"

app:layout_constraintBottom_toBottomOf = "parent"

app:layout_constraintEnd_toEndOf = "parent"

app:layout_constraintStart_toStartOf = "parent"

app:layout_constraintTop_toTopOf = "parent" />

<Button

android:id = "+id/b1"

android:layout_height = "wrap_content"

android:layout_width = "match_parent"

android:layout_marginBottom = "2dp"

android:background = "#FFF"

android:text = "Phone"

MainActivity.java

```

    android: textSize = "25SP"
    android: textStyle = "italic"
    android: textAllCaps = "true"
    tools: ignore = "TextContentCheck"/>

<Button
    android:id = "@+id/b2"
    android:layout_width = "match_parent"
    android:layout_height = "wrap_content"
    android:layout_marginBottom = "2dp"
    android:background = "#FFF"
    android:text = "SMS"
    android:textSize = "25SP"
    android:textStyle = "italic"
    android:textAllCaps = "true"
    tools:ignore = "TextContentCheck"/>

<Button
    android:id = "@+id/b3"
    android:layout_width = "match_parent"
    android:layout_height = "wrap_content"
    android:layout_marginBottom = "2dp"
    android:background = "#FFF"
    android:text = "website"
    android:textSize = "25SP"
    android:textStyle = "italic"
    android:textAllCaps = "true"
    tools:ignore = "TextContentCheck"/>

</LinearLayout>

```

MainActivity - Java

```
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
```

Public class MainActivity extends AppCompatActivity {

```
    TextView welcome;
```

```
    Button phone, sms, website;
```

```
    Intent i = new Intent();
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);
```

```
    setContentView(R.layout.activity_main);
```

```
    phone = (Button) findViewById(R.id.b1);
```

```
    sms = (Button) findViewById(R.id.b2);
```

```
    website = (Button) findViewById(R.id.b3);
```

```
    phone.setOnClickListener(new View.OnClickListener())
```

```
@Override
```

```
public void onClick(View view) {
```

```
    i.setAction(Intent.ACTION_DIAL);
```

```
    i.setData(Uri.parse("tel: 9573546581"));
```

```
    startActivity(i);
```

```
}
```

SMS.setOnCLickListener(new View.OnClickListener() {

@overrid e

Public void On Click (View View)

```
i. SetAction(intent.ACTION_VIEW);
```

i.setDataloads(new URL("https://www.thedatadev.com/1/1").openStream());

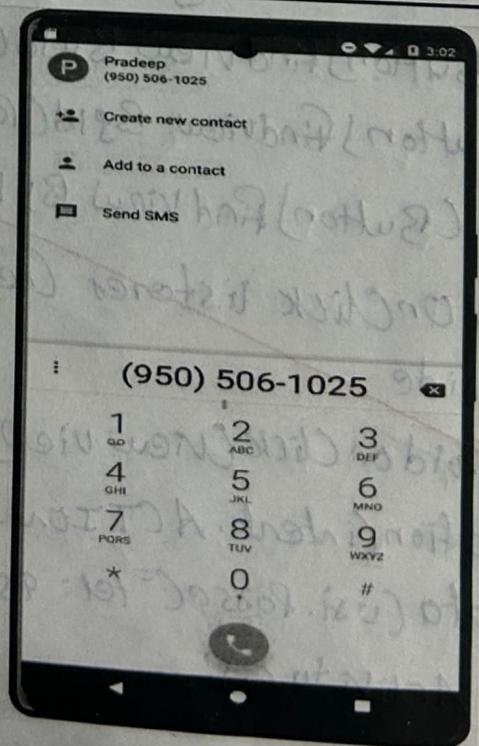
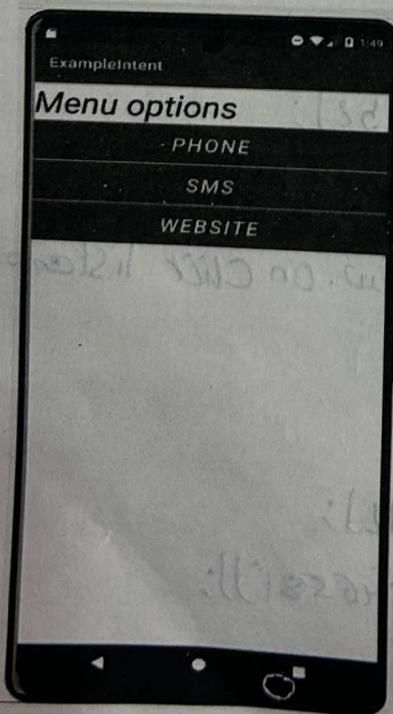
Start Activity (i);

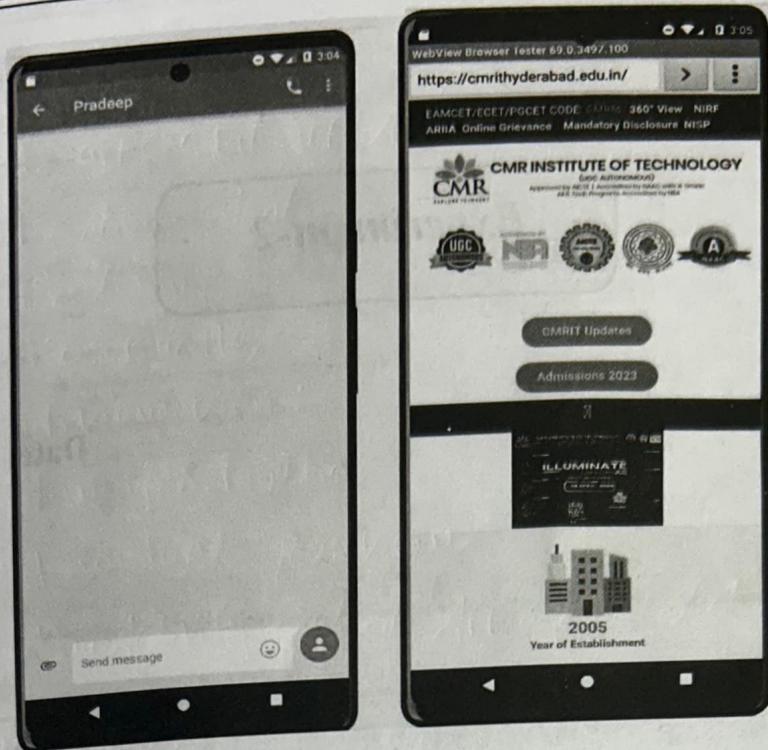
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19/09





VIVA QUESTIONS

1. What is the latest version of android?

Ans. The latest Android Version as of late 2025 is Android 16

(codename = "Baklava"), which was released on June 10, 2025 for testing, development, and feedback.

2. What is an activity?

Ans. An activity is a screen in an Android app that allows users to interact with the app and perform tasks

3. Define intents in android.

Ans. An intent is a messaging object in android that allows users to coordinate the functions of different activities to complete the task

4. What are the types of intent?

Ans. There are two types of intents : 1. Implicit intent.
2) Explicit intent

~~5. 19/8~~ Describe android frame work.

Ans. An android framework is a group of Java classes, interfaces, and other pre-complicated code that help developers build android apps.