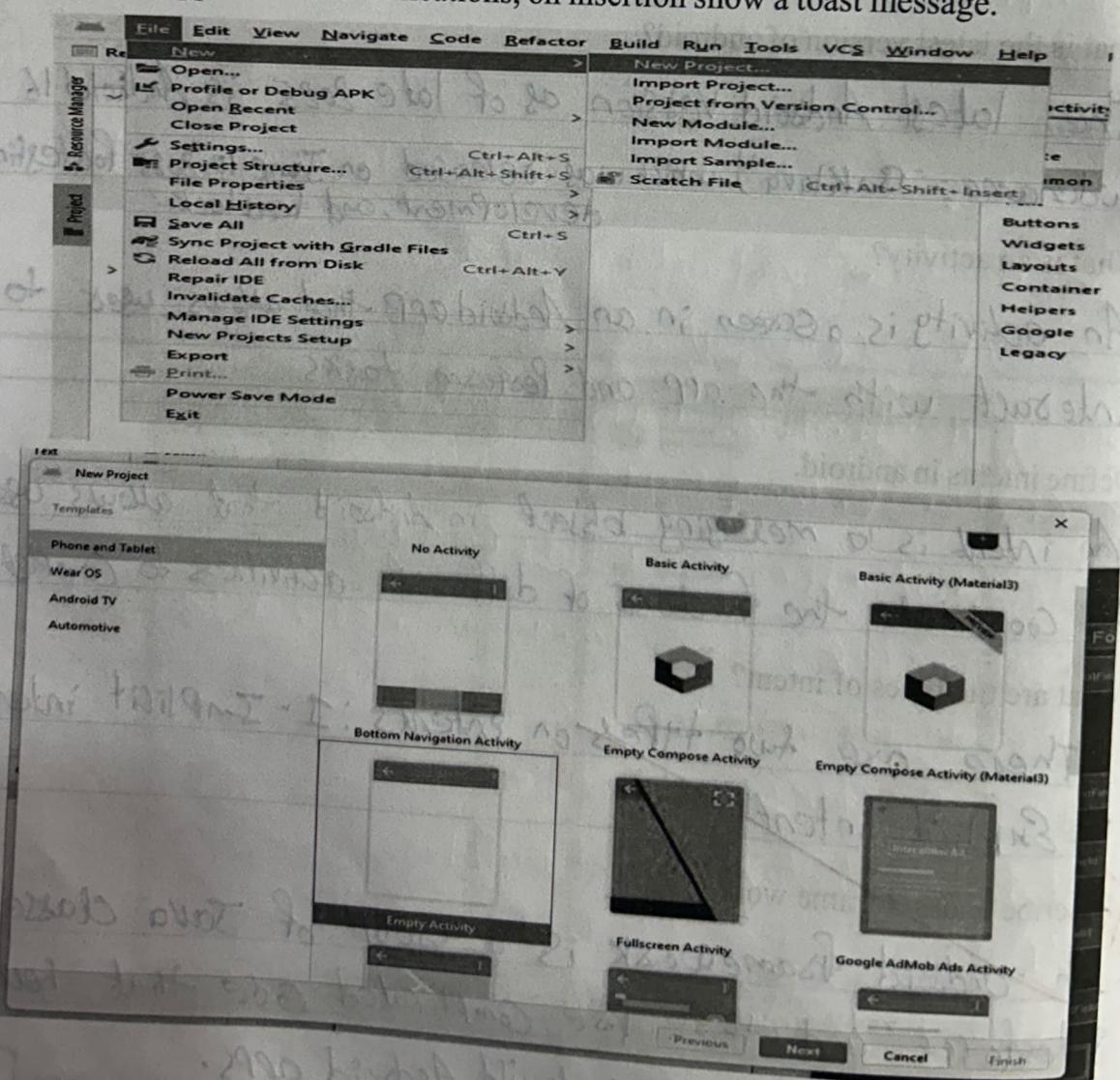


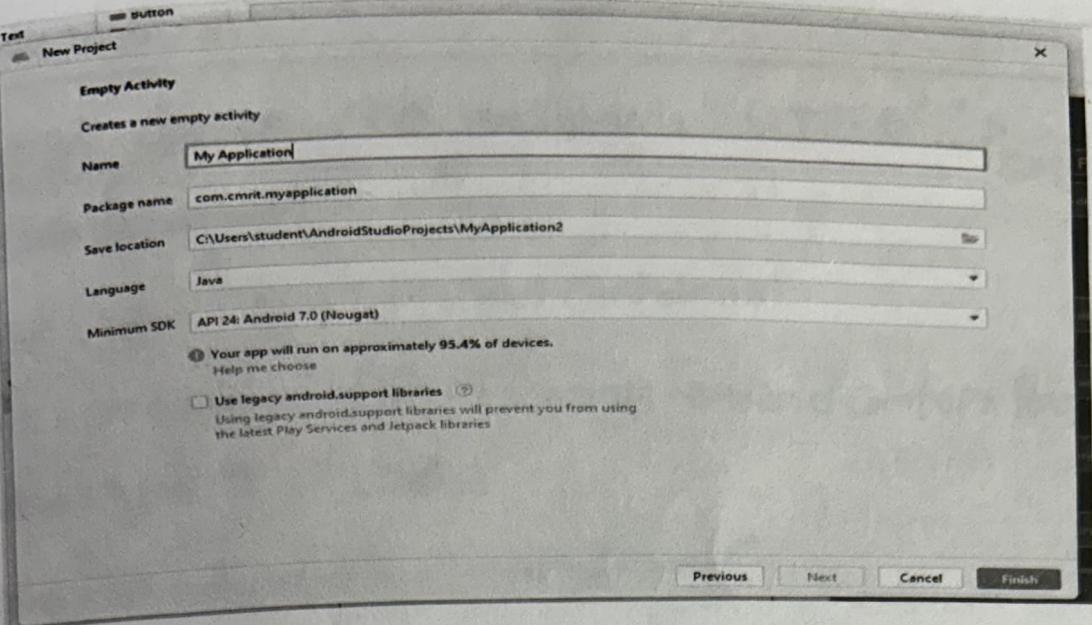
Experiment-2

Date: 19/9/25

AIM

Develop mobile apps to insert notifications, on insertion show a toast message.





Activity_main.xml

```

<?xml version = "1.0" encoding = "UTF-8"?>
<LinearLayout xmlns:android = "http://schemas.android.com/apk
/re/android"
    xmlns:app = "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:gravity = "center"
    tools:context = "MainActivity">
    <Button
        android:layout_width = "wrap_content"
        android:layout_height = "wrap_content"
        android:text = "Show Custom Toast"
        android:id = "@+id/btn_toast"/>
</LinearLayout>

```

custom_toast_layout.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<LinearLayout
    android:id="@+id/ViewContainer"
    xmlns:android="https://schemas.android.com/apk/res/android"
    android:gravity="center"
    android:layout_width="match-parent"
    android:layout_height="match-parent"
    android:padding="11dp"
    android:background="#99C34A">
    <ImageView
        android:layout_width="90dp"
        android:layout_height="103dp"
        android:src="@drawable/cake_lite_cloud_dme_24"/>
    <TextView
        android:id="@+id/msg"
        android:layout_width="match-parent"
        android:layout_height="58dp"
        android:layout_marginLeft="11dp"
        android:text="Toast message"
        android:textColor="#fff"
        android:textSize="20dp"
        android:textStyle="bold"/>

```

Linear layout

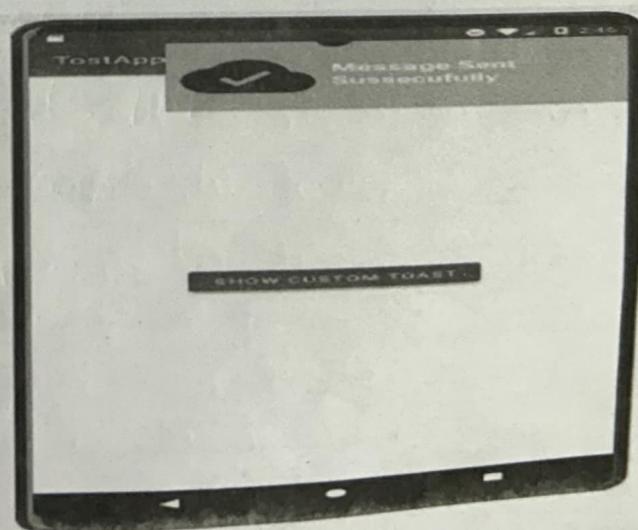
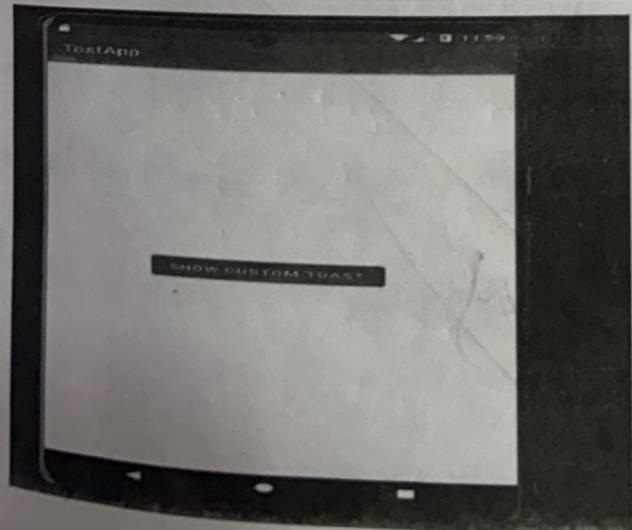
MainActivity.java

```

package com.example.custom_toast;
import android.x.appcompat.app.AppCompatActivity;
import android.annotation.SuppressLint;
import android.os.Bundle;
import android.view.Gravity;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    Button btnToast;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        btnToast = findViewById(R.id.btnToast);
        btnToast.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast toast = new Toast(getApplicationContext());
                toast.setGravity(Gravity.CENTER, 0, 0);
                toast.setDuration(Toast.LENGTH_SHORT);
                View layout = getLayoutInflater().inflate(R.layout.custom_toast_layout, null);
                toast.setView(layout);
                toast.show();
            }
        });
    }
}

```

```
    find View By Id(R. View Contains));  
    toast. Set View (View);  
    TextView. txt. Msg = View. find View By Id  
        (R. id. txt Msg);  
    txt msg. Set Text ("Message Sent Successfully");  
    toast. Set Duration (Toast. length-long);  
    toast. Show();  
    toast. Set Gravity (Gravity. TOP / Gravity-END, 0, 0);  
}  
});  
}  
}
```



VIVA QUESTIONS

1. What is the android architecture?

Ans. It refers to the layered structure of the Android operating system. It is a stack of software components that provides a complete environment.

2. What is google android SDK?

Ans. Android SDK is collection of tools and libraries provided by Google to develop, test and debug.

3. What are the tools placed in android SDK?

Ans. ADB (Android Debug Bridge), SDK Manager, AVD Manager, Link, Pchward

4. What is a toast? Write its syntax?

Ans. A Toast is a small message that pops upon the screen to provide feedback.

5. What are the different types of toast messages?

Ans. Toast.LENGTH_SHORT → shows message for short duration

Toast.LENGTH_LONG → shows message for longer duration.