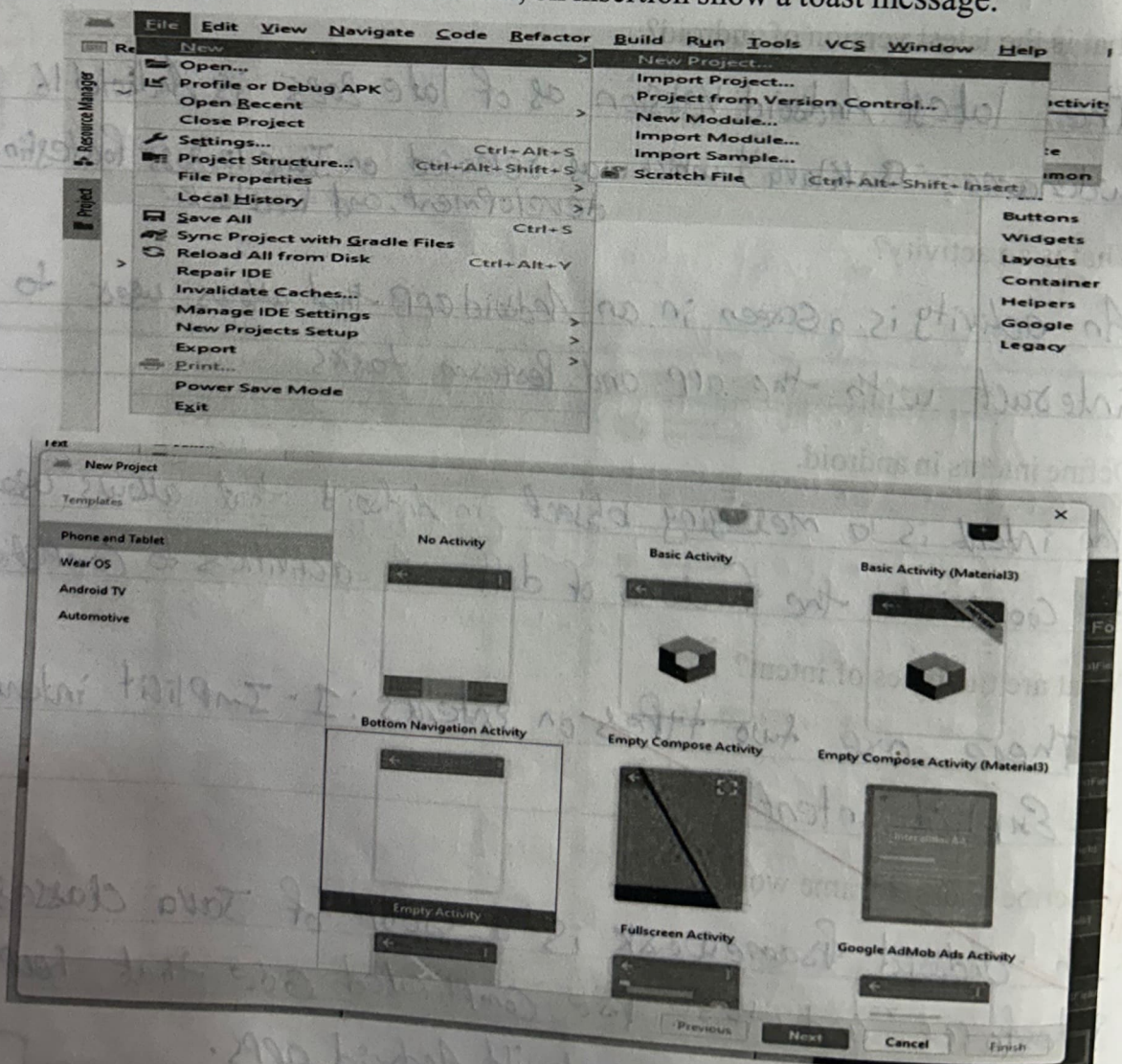


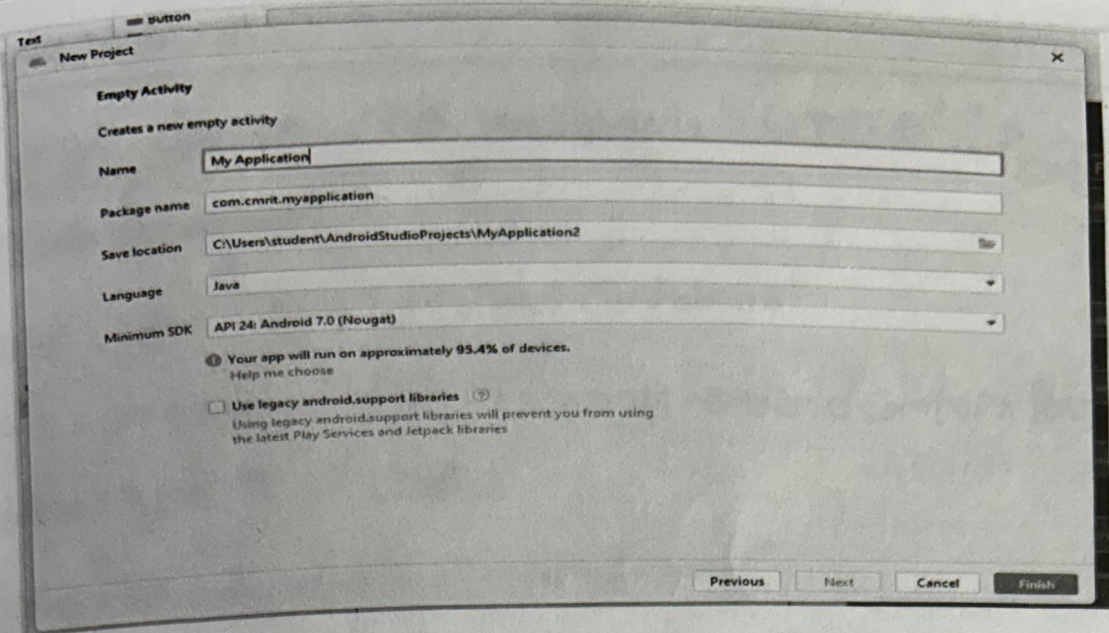
Experiment-2

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="https://schemas.android.com/apk/res/android"
```

```
xmlns:app="https://schemas.android.com/apk/res/app"
```

```
xmlns:tools="https://schemas.android.com/tools"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
android:gravity="center"
```

```
tools:Context="main Activity">
```

```
<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">

```

Image View

```

    android:layout_width="90dp"
    android:layout_height="103dp"
    android:src="@drawable/logo_line_cloud" style="width=24"/>

```

<TextView

```

    android:id="@+id/text_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"/>

```

</LinearLayout>

MainActivity.java

```

Package com.example.customtoast;
import android.support.design.widget.Snackbar;
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 view) {
                Toast toast = new Toast(getApplicationContext());
                getLayoutInflater().inflate(R.layout.custom_toast_layout,
                    (ViewGroup) findViewById(R.id.container), true);
            }
        });
    }
}

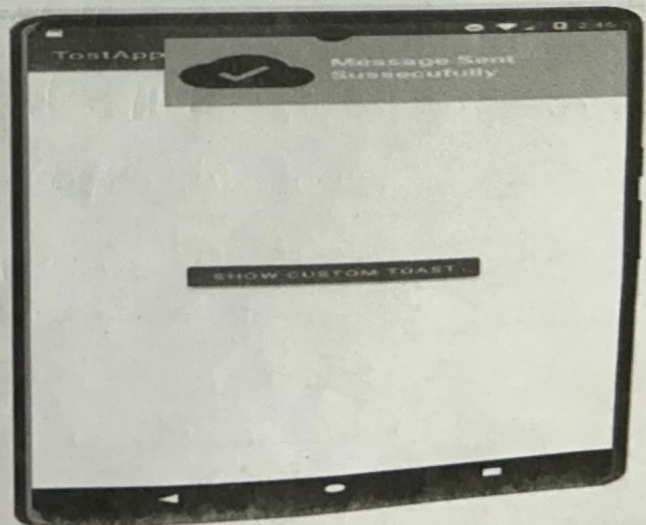
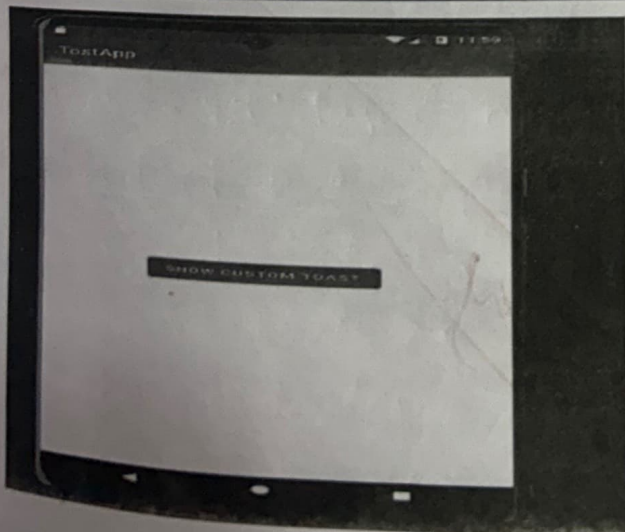
```



```

findViewById(R.id.viewContainer));
toast.setView(view);
TextView txtMsg = view.findViewById(R.id.txtMsg);
txtMsg.setText("Message Sent Successfully");
toast.setDuration(Toast.LENGTH_LONG);
toast.show();
toast.setGravity(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 task of software components that provides a complete environment.

2. What is google android SDK?

Ans. Android SDK is collection of tools and what are provided by libraries 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.