

## MINI PROJECT

### JOKE OF THE DAY

#### OBJECTIVE:

To develop an android application that creates Joke of the day app.

#### PROCEDURE:

**Step 1** : Create a New Android Project. Click New in the toolbar.

**Step 2** : In the window that appears, open the Android folder, select Android Application Project, and click Provide the application name and the project name and then finally give the desired package name.

**Step 3** : Choose a launcher icon for your application and then select Blank Activity and then click Next Provide the desired Activity name for your project and then click Finish.

**Step 4** : Create a New AVD (Android Virtual Device):

**Step 5** : click Android Virtual Device Manager from the toolbar.

**Step 6** : In the Android Virtual Device Manager panel, click New.

**Step 7** : Fill in the details for the AVD. Give it a name, a platform target, an SD card size, and a skin Click Create AVD and Select the new AVD from the Android Virtual Device Manager and click Start.

**Step 8** : Design the graphical layout.

**Step 9** : Run the application.

**Step 10** : When the application starts jokes will be displayed .

**Step 11** : Close the Android project.

#### PROJECT:

##### Activity\_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:orientation="vertical"

    android:padding="16dp"

    android:gravity="center">
```

```
<TextView
    android:id="@+id/jokeTextView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Click the button to get a joke!"
    android:textSize="18sp"
    android:textAlignment="center"
    android:padding="16dp"/>
```

```
<Button
    android:id="@+id/getJokeButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Get Joke"
    android:padding="10dp" />
```

```
</LinearLayout>
```

### **MainActivity.java**

```
package com.example.jokeoftheday;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

import java.util.Random;

public class MainActivity extends AppCompatActivity {
```

```
private TextView jokeTextView;

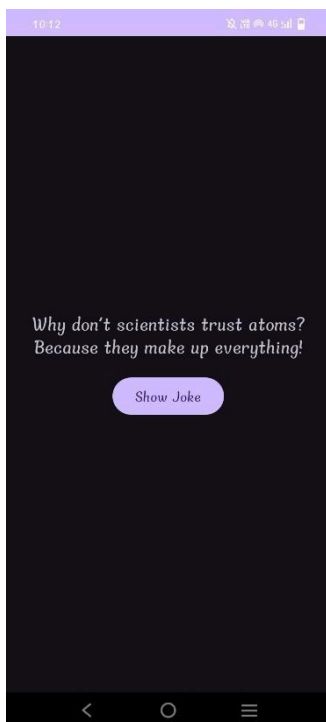
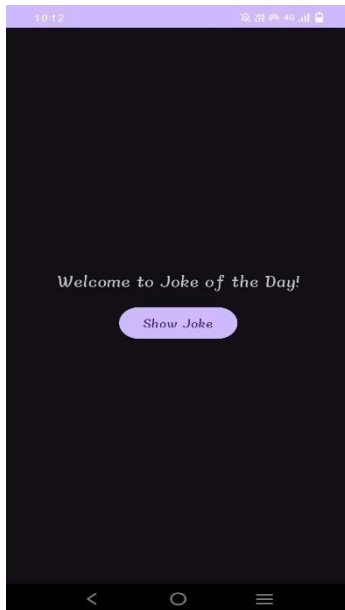
private Button getJokeButton;

private String[] jokes = {
    "Why don't scientists trust atoms? Because they make up everything!",
    "Why did the bicycle fall over? It was two-tired!",
    "What do you call fake spaghetti? An impasta!",
    "Why was the math book sad? It had too many problems.",
    "What did one wall say to the other? I'll meet you at the corner!"
};
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main)
    jokeTextView = findViewById(R.id.jokeTextView);
    getJokeButton = findViewById(R.id.getJokeButton);
    getJokeButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            String randomJoke = getRandomJoke();
            jokeTextView.setText(randomJoke);
        }
    });
}

private String getRandomJoke() {
    Random random = new Random();
    int index = random.nextInt(jokes.length);
    return jokes[index];
}
```

## OUTPUT:



## CONCLUSION:

Thus an android application were created and tested successfully

