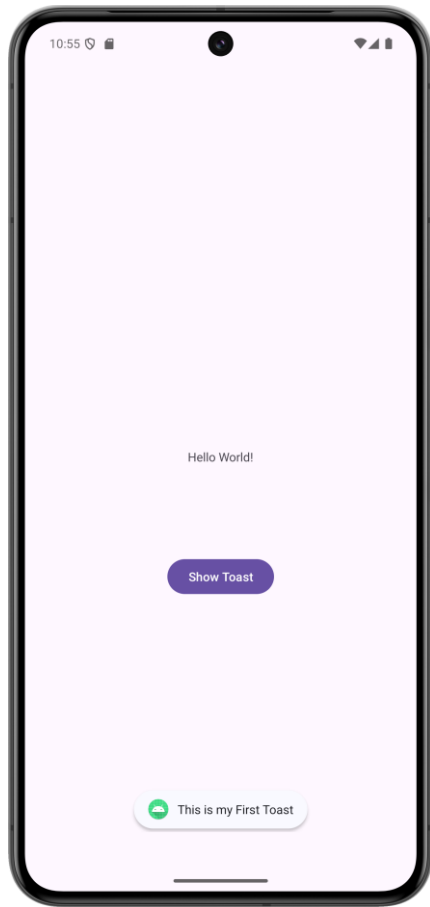
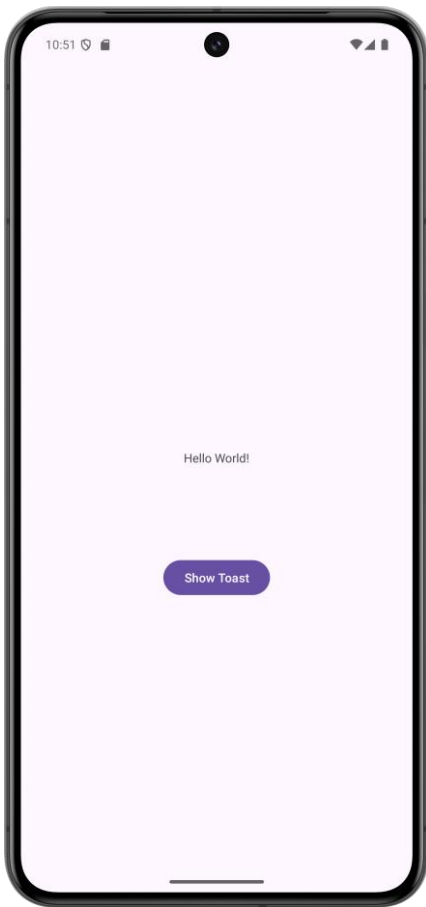


# Index

[illegible]



## 1. Write a program in android to create toast.

### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/btnToast"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Show Toast"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.48" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

### MainActivity.java

```
package com.example.thefirst;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.Toast;
```

```
import androidx.activity.EdgeToEdge;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;


public class MainActivity extends AppCompatActivity {


    Button btnToast;


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        EdgeToEdge.enable(this);

        setContentView(R.layout.activity_main);


        btnToast = findViewById(R.id.btnToast);

        btnToast.setOnClickListener(new View.OnClickListener() {

            public void onClick(View view) {

                Toast.makeText(getApplicationContext(), "This is my FirstToast",
Toast.LENGTH_LONG).show();

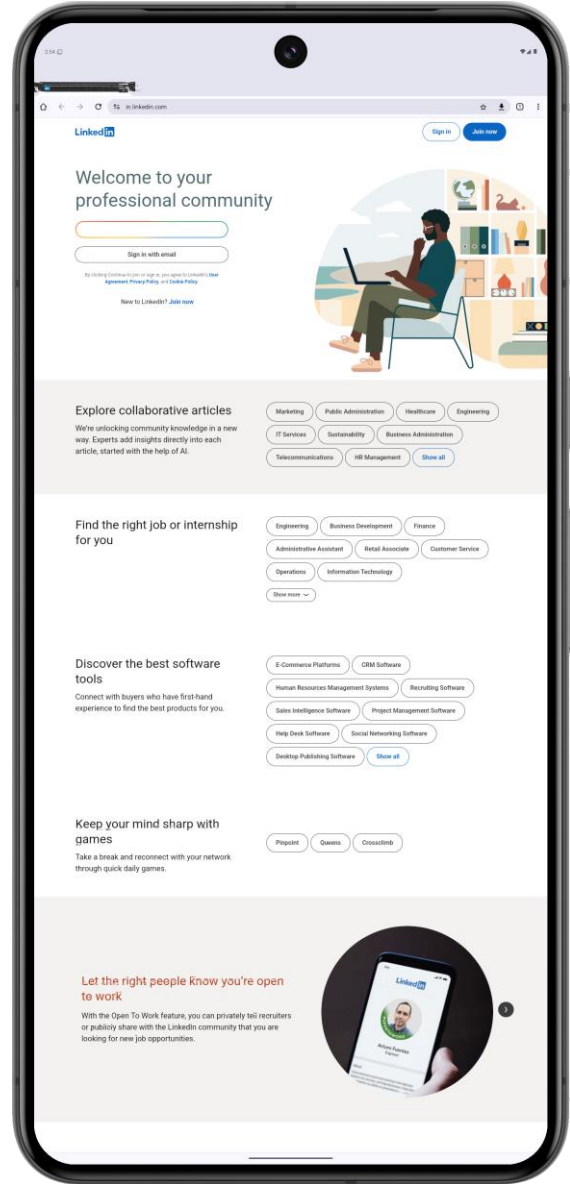
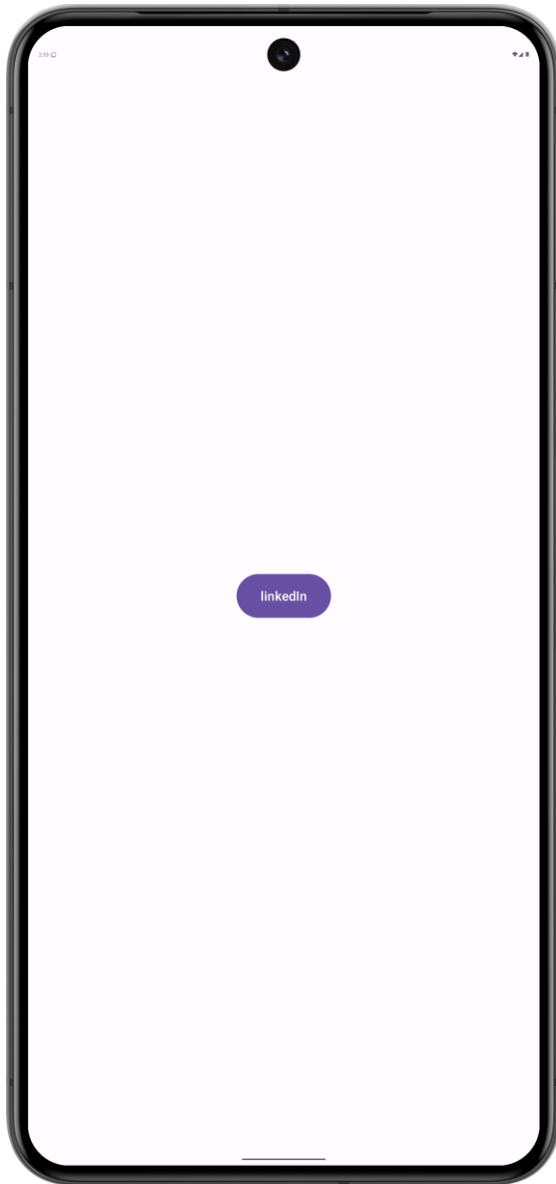
            }

        });


    }

}
```





2. Write a program in android to open LinkedIn app when the button is clicked.

### **Activity main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button"
        android:layout_width="248dp"
        android:layout_height="123dp"
        android:onClick="linkedInbtn"
        android:text="linkedIn"
        android:textSize="34sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

### **MainActivity.java**

```
package com.example.second;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View; // Import the View class

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
```

```
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
    }

    // Move the method outside onCreate
    public void linkedInbtn(View view) {
        Uri uri = Uri.parse("https://in.linkedin.com/");
        Intent intent = new Intent(Intent.ACTION_VIEW, uri);
        startActivity(intent);
    }
}
```

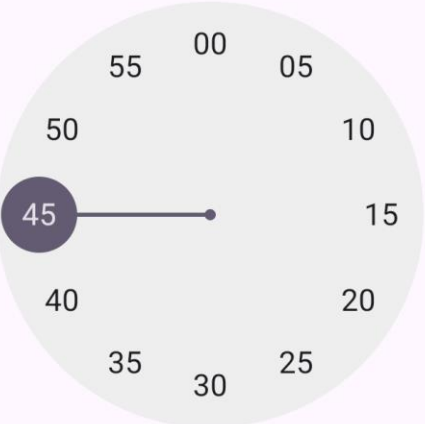






3:46

6:45 AM



18:45

3. Write an Android program that allows selecting time using a TimePicker widget and displays the selected time in a TextView.

#### activity\_main.xml

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

<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TimePicker
        android:id="@+id/timePicker"
        android:layout_width="442dp"
        android:layout_height="349dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.516"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0" />

    <TextView
        android:id="@+id/txtTime"
        android:layout_width="198dp"
```

```
        android:layout_height="87dp"
        android:layout_marginTop="84dp"
        android:textSize="50dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/timePicker"
        app:layout_constraintVertical_bias="0.005" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

### **MainActivity.java**

```
package com.example.thirdone;

import android.os.Bundle;
import android.widget.TextView;
import android.widget.TimePicker;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;

import com.example.thirdone.R;
```

```
public class MainActivity extends AppCompatActivity {

    TimePicker timePicker;

    TextView timeTxt;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        EdgeToEdge.enable(this);

        setContentView(R.layout.activity_main);

        timePicker = findViewById(R.id.timePicker);

        timeTxt = findViewById(R.id.txtTime);

        timePicker.setOnTimeChangeListener(new TimePicker.OnTimeChangeListener() {

            @Override

            public void onTimeChanged(TimePicker view, int hourOfDay, int minute) {

                timeTxt.setText(hourOfDay + " : " + minute);

            }

        });

    }

}
```



4. Write a program in android to create a clickable text that opens the Google.

**activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/txtTime"
        android:layout_width="437dp"
        android:layout_height="90dp"
        android:autoLink="all"
        android:text="www.google.com"
        android:textAlignment="center"
        android:textSize="30dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.465" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

4:26



Sep

07

2023

Oct

08

2024

Nov

09

2025

Submit



8/10/2024



**5.1 Write an Android program that allows selecting date using a material button widget and displays the selected date in a TextView.**

**Activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <DatePicker
        android:id="@+id/datePicker1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="80dp"
        android:calendarViewShown="false"
        android:datePickerMode="spinner"
        app:layout_constraintBottom_toTopOf="@+id/btnSubmit"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.601" />

    <Button
        android:id="@+id/btnSubmit"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginBottom="252dp"
        android:text="Submit"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

### **MainActivity.java**

```
package com.example.five;

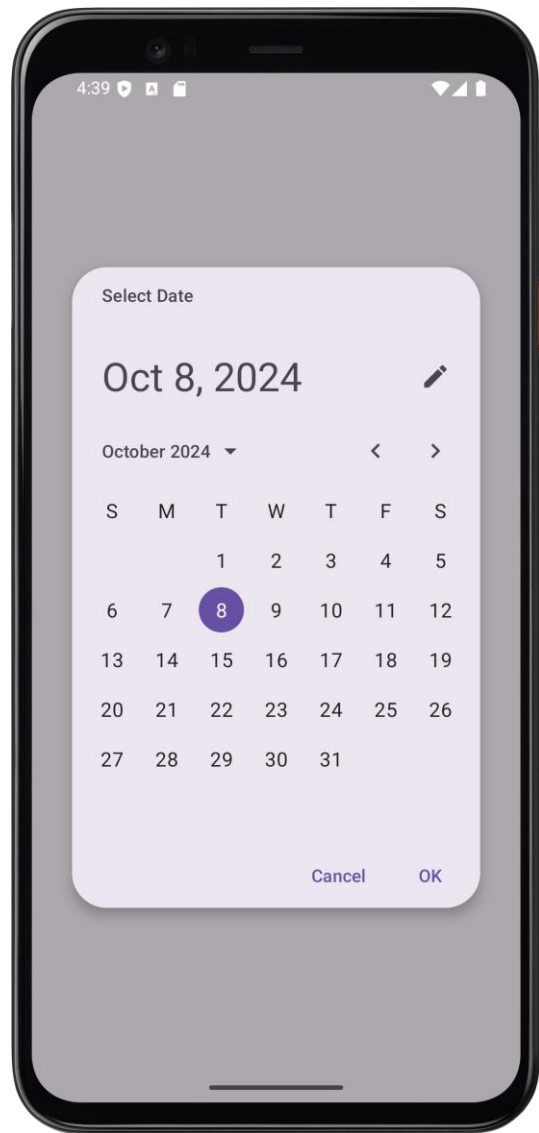
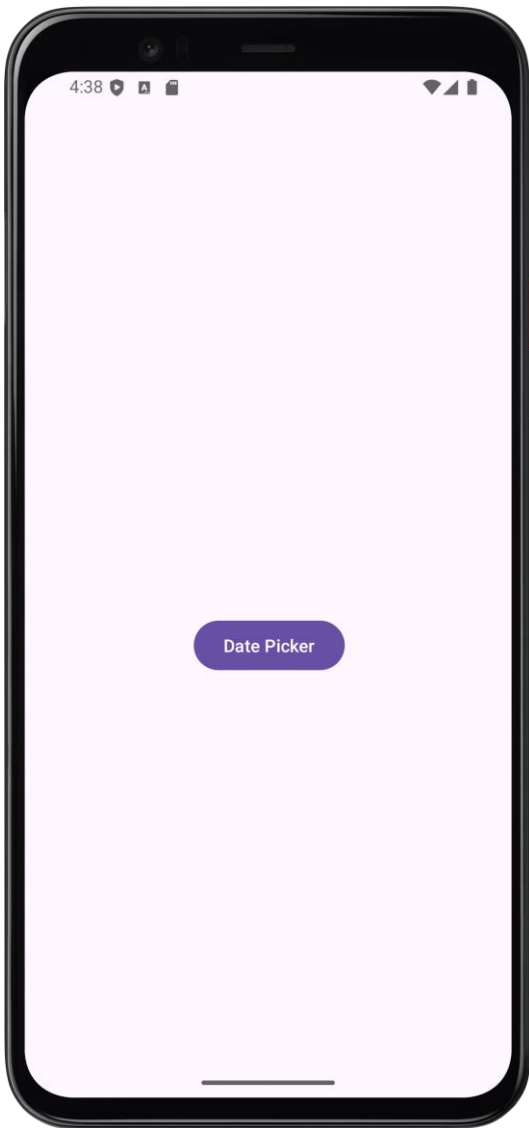
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {
    DatePicker datePicker;
    Button button1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);

        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String day, month, year;
                day = String.valueOf(datePicker.getDayOfMonth());
                month = String.valueOf(datePicker.getMonth() + 1);
                year = String.valueOf(datePicker.getYear());
                Toast.makeText(MainActivity.this, day + "/" + month + "/" + year,
                    Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```





## 5.2 Write an Android program that allows selecting date using a material button widget and displays the selected date in a TextView.

### Activity main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <com.google.android.material.button.MaterialButton
        android:id="@+id/datePicker"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:text="Date Picker"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.503"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.563" />

    <TextView
        android:id="@+id/tv"
        android:layout_width="223dp"
        android:layout_height="45dp"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"

        android:textSize="30dp"
        android:textAlignment="center"
        app:layout_constraintBottom_toTopOf="@+id/datePicker"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.635" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

### **MainActivity.java**

```
package com.example.fivetwo;

import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;

import com.google.android.material.button.MaterialButton;
import com.google.android.material.datepicker.MaterialDatePicker;
import com.google.android.material.datepicker.MaterialPickerOnPositiveButtonClickListener;

import java.text.MessageFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.Locale;

public class MainActivity extends AppCompatActivity {

    MaterialButton button;
    TextView textView;

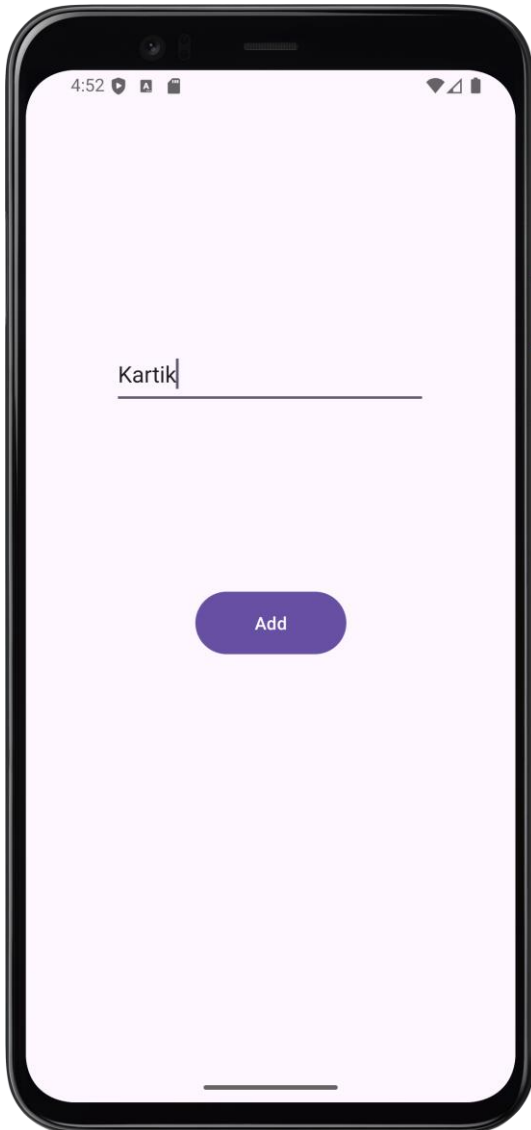
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);

        button = findViewById(R.id.datePicker);
        textView = findViewById(R.id.tv);

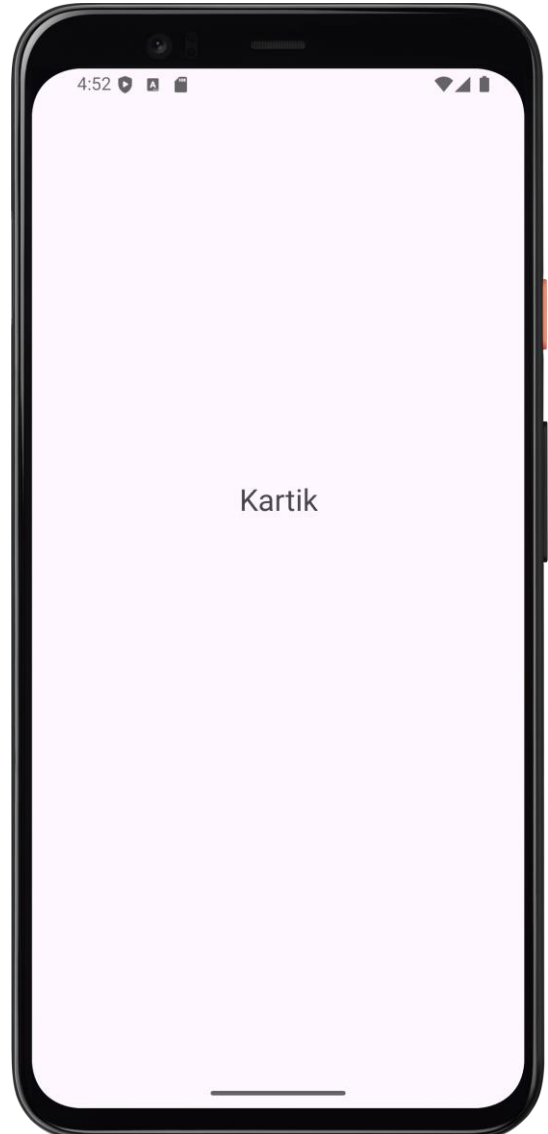
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                MaterialDatePicker<Long> materialDatePicker =
                    MaterialDatePicker.Builder.datePicker()
                        .setTitleText("Select Date")
                        .setSelection(MaterialDatePicker.todayInUtcMilliseconds())
                        .build();
```

```
materialDatePicker.addOnPositiveButtonClickListener(  
    new MaterialPickerOnPositiveButtonClickListener<Long>() {  
        @Override  
        public void onPositiveButtonClick(Long selection) {  
            String date = new SimpleDateFormat("MM-dd-yyyy",  
Locale.getDefault()).format(new Date(selection));  
            textView.setText(MessageFormat.format("Selected Date: {0}", date));  
        }  
    });  
  
materialDatePicker.show(getSupportFragmentManager(), "tag");  
}  
});  
}  
}
```

Activity one



Activity Two





**6. Write a program to send one activity data to another activity.**

**activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/name"
        android:layout_width="252dp"
        android:layout_height="53dp"
        android:layout_marginTop="50dp"
        android:ems="10"
        android:hint="Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.231" />

    <Button
        android:id="@+id/ADD"
        android:layout_width="121dp"
        android:layout_height="58dp"
```

```
    android:layout_marginTop="144dp"
    android:text="Add"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/name"
    app:layout_constraintVertical_bias="0.0" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

### **MainActivity.java**

```
package com.example.six;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

    private EditText name;
    private Button add;

    @Override
```

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    EdgeToEdge.enable(this);
    setContentView(R.layout.activity_main);

    name = findViewById(R.id.name);
    add = findViewById(R.id.ADD);

    add.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            String username = name.getText().toString();

            Intent intent = new Intent(MainActivity.this, MainActivity2.class);
            intent.putExtra("keyname", username);
            startActivity(intent);
        }
    });
}
}

```

### **activity\_main2.xml**

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity2">

```

```
<TextView
    android:id="@+id/text_name"
    android:layout_width="161dp"
    android:layout_height="35dp"

    android:textAlignment="center"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.412" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

### **MainActivity2.java**

```
package com.example.six;

import android.os.Bundle;
import android.widget.TextView;

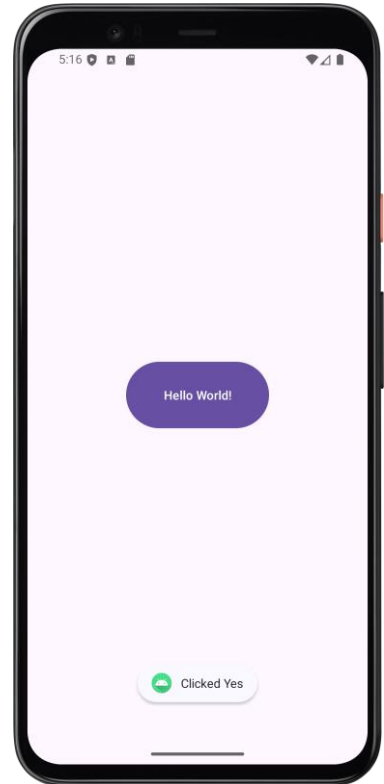
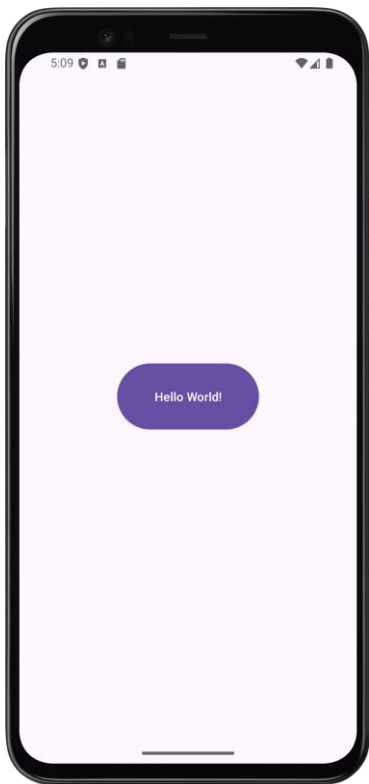
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity2 extends AppCompatActivity {

    private TextView name;

    @Override
```

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    EdgeToEdge.enable(this);  
    setContentView(R.layout.activity_main2);  
    name = findViewById(R.id.text_name);  
  
    String username = getIntent().getStringExtra("keyname");  
    name.setText(username);  
}  
}
```



## 7. Write a program to create alert dialog.

### **Activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/my_button"
        android:layout_width="165dp"
        android:layout_height="85dp"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.482" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

### **MainActivity.java**

```
package com.example.seventh;

import android.content.DialogInterface;
```

```
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

    Button myButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);

        myButton = findViewById(R.id.my_button);

        myButton.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View view) {

                AlertDialog dialog = createDialog();
                dialog.show();
            }
        });
    }
}
```



```

    }
    });
}
AlertDialog createDialog(){

    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setMessage("Do you want to do?");

    builder.setPositiveButton("Yes", new DialogInterface.OnClickListener() {

        @Override
        public void onClick(DialogInterface dialogInterface, int i) {

            Toast.makeText(MainActivity.this,"Clicked Yes",Toast.LENGTH_LONG).show();
        }
    });
    builder.setNegativeButton("No Please", new DialogInterface.OnClickListener() {

        @Override
        public void onClick(DialogInterface dialogInterface, int i) {

            Toast.makeText(MainActivity.this,"Clicked No",Toast.LENGTH_LONG).show();

        }
    });
    return builder.create();
}
}

```