



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Experiment1.2

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Subject Name: MADLAB

Subject Code: 21CSH-355

- 1. Aim:** Create a “HELLO WORLD” application.
- 2. Objective:** Create an application that takes the name from a text box and shows a hello message along with the name entered in the text box when the user clicks the OK button.
- 3. Code and output:**

- MainActivity.java

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    Button btn;
    EditText text;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        btn = findViewById(R.id.button);
        Bundle b = new Bundle();

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                text = findViewById(R.id.Name);
                String name = text.getText().toString();
                System.out.println(name);
                b.putString("Name", name);
```

```
                Intent i = new Intent(MainActivity.this, homepage.class);  
                i.putExtras(b);  
                startActivity(i);  
            }  
        });  
    }  
}
```

- 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:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context=".MainActivity">  
  
    <EditText  
        android:id="@+id/Name"  
        android:layout_width="256dp"  
        android:layout_height="85dp"  
        android:ems="10"  
        android:inputType="text"  
        android:text="Name"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toTopOf="parent"  
        app:layout_constraintVertical_bias="0.37" />  
  
    <Button  
        android:id="@+id/button"  
        android:layout_width="132dp"  
        android:layout_height="84dp"  
        android:text="Button"  
        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="0.151" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```



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- homepage.java

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

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

public class homepage extends AppCompatActivity {
    TextView t;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_homepage);
        Bundle b = getIntent().getExtras();

        String name = b.getString("Name");

        t = (TextView) findViewById(R.id.namedisplay);
        t.setText("Hello " + name);
    }
}
```

- activity_homepage.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:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".homepage">

    <TextView
        android:id="@+id/namedisplay"
        android:layout_width="230dp"
        android:layout_height="98dp"
        android:layout_marginStart="101dp"
        android:layout_marginEnd="48dp"
        android:text="TextView"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.548" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

- Output

