Experiment1.4

Student Name: Saumyamani Bhardwaz　　　**UID: 20BCS1682**
Branch: CSE　　　**Section/Group: 701-A**
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1. Aim:

Creating a Application by using Text Edit control.

2. Objective:

To Create an application that takes the name from a text box and shows hello messagealong with the name entered in text box, when the user clicks the OK button.

3. Script and Output:

activity_main.xml -

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

<android.support.constraint.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">

    <Button android:id="@+id/button"
        android:layout_width="116dp"
        android:layout_height="52dp"
        android:text="@string/submit"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:background="@drawable/rounded"
        android:paddingVertical="10sp" android:textStyle="bold"
        android:paddingHorizontal="10sp" android:onClick="setTxt"

        / >
```

```xml
<EditText android:id="@+id/text1"
android:layout_width="wrap_content"android:layout_height="wrap_content"

android:layout_marginTop="106dp"
android:ems="10"
android:inputType="textPersonName"
android:hint="WriteSomething"
android:textAlignment="center"
app:layout_constraintBottom_toTopOf="@+id
/button"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.36" />
</android.support.constraint.ConstraintLayout>
```

MainActivity.

```java
java-package com.Exp1.4.aclass;import …

public class MainActivity extends AppCompatActivity

{

TextView txt; @Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_main);

}

public void setTxt(View v) {

txt = (TextView) findViewById(R.id.text1); Toast.makeText(this, "Hello, " +
txt.getText(),

Toast.LENGTH_SHORT).show();

}

}
```

Output: