LAB NO:05

BASIC EVENT HANDLING:

Create an application which can display a Toast message by pressing a button.
 .java code:

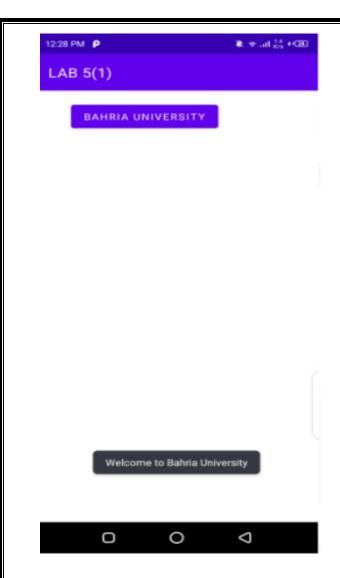
.xml code:

```
<?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">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:text="Bahria University"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintDayout.betartOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

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

OUTPUT:



2. Create an application having three buttons. Bind those buttons with the same callback method. On pressing any button, identify which button was pressed.

.xml code:

```
android:layout_height="wrap_content"
android:layout_marginBottom="32dp"
app:layout_constraintBottom_toTopOf="@+id/button3"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
android:onClick="onBtnSE"
android:id="@+id/button3"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_marginBottom="464dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintStart_toStartOf="parent"
android:onClick="onBtnSDMA"
androidx.constraintlayout.widget.ConstraintLayout>
```

.java code:

```
package com.example.lab51;
import androidx.appcompat.app.AppCompatActivity;
import android.widget.Button;
import android.widget.Button;
import android.widget.Toast;
import android.view.View;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
    private Button getButtonText;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

    }
    public void onBtnBahria(View view) {
        Toast.makeText(getApplicationContext(), "BAHRIA...", Toast.LENGTH_SHORT).show();
    }
    public void onBtnSE(View view) {
        Toast.bundle Short Short Show();
    }
    public void onBtnSDMA(View view) {
        Toast.LENGTH_SHORT).show();
    }
    public void onBtnSDMA(View view) {
        Toast.makeText(getApplicationContext(), "Software Application and Mobile Device
        ...", Toast.LENGTH_SHORT).show();
    }
}
```

Output:



3. Create an application which takes a string message from user and create a toast of it on pressing button. .xml code:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
```

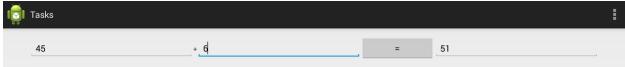
.java code:

```
package com.example.lab53;

pimport androidx.appcompat.app.AppCompatActivity;
import android.widget.Eutton;
import android.widget.Toast;
import android.view.View;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
} public void onClick(View view) {
        Toast.makeText(getApplicationContext(), Next "Submission Successfull", Toast.LENGTH_SHORT).show();
}
}
```


4. Create a calculator application for two integers. The output must look as follows



.xml code:

```
android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
                                                         android:layout_marginTop="20dp"
    android:layout_marginTop="20dp"
                                                         android:layout_weight="1"
    android:layout_weight="1"
                                                         android:gravity="center_horizontal"
    android:gravity="center_horizontal"
<EditText
                                                      <TextView
    android:layout_width="20dp"
                                                         android:id="@+id/Result"
    android:layout_height="wrap_content"
                                                         android:layout_width="20dp"
    android:layout_marginTop="20dp"
                                                         android:layout_height="wrap_content"
    android:layout_weight="2"
    android:inputType="number"
                                                         android:layout_marginTop="20dp"
    android:gravity="center_horizontal"
                                                         android:layout_weight="2"
                                                         android:gravity="center_horizontal"
    android:ems="10"
                                                         android:textSize="20dp" />
<Button
                                                  </LinearLayout>
    android:layout_width="20dp"
    android:layout_height="wrap_content"
```

.java code:

```
package com.example.lab54;

import androidx.appcompat.app.AppCompatActivity;
import android.widget.Button;
import android.widget.EditText;
import android.widget.EditText;
import android.view.Greate(EditText);
import android.view.View;

import android.view.View;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
    EditText number1;
    EditText number2;
    Button Add_button;
    TextView result;

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    number1=(EditText) findViewById(R.id.num2);
    Add_button.setOnClickListener(new View.OnClickListener() {

Output:

Add_button.setOnClickListener(new View.OnClickListener() {

Output:
```

