

THE STATE UNIVERSITY OF ZANZIBAR

(SUZA)

THE STATE UNIVERSITY OF ZANZIBAR

SCHOOL OF BUSINESS

SOB SUZA

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STUDENT REG NO: BITA/5/21/052/TZ

LECTURE NAME: Mr. MASSOUD HAMAD MMANGA

ASSIGNMENT: CALCULATOR

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   android:layout height="match parent"
        android:text="0"
        android:textAlignment="textEnd"
   <TextView
        android:paddingVertical="16dp"
            android:orientation="horizontal">
            <com.google.android.material.button.MaterialButton</pre>
```

```
<com.google.android.material.button.MaterialButton</pre>
        android:layout width="72dp"
        android:layout height="72dp"
        android:text="9" />
    <com.google.android.material.button.MaterialButton</pre>
</LinearLayout>
<LinearLayout
    android:gravity="center"
    android:orientation="horizontal">
        android:textColor="@color/white"
    <com.google.android.material.button.MaterialButton</pre>
```

```
android:textSize="32dp"
        android:textColor="@color/white"
    <com.google.android.material.button.MaterialButton</pre>
    <com.google.android.material.button.MaterialButton</pre>
        android:layout margin="12dp"
</LinearLayout>
<LinearLayout
    <com.google.android.material.button.MaterialButton</pre>
        android:textSize="32dp"
        android:textColor="@color/white"
        android:text="1" />
    <com.google.android.material.button.MaterialButton</pre>
        android:textSize="32dp"
        android:textColor="@color/white"
```

```
<com.google.android.material.button.MaterialButton</pre>
        android:textSize="32dp"
        android:textColor="@color/white"
        android:text="3" />
</LinearLayout>
<LinearLayout
    android:orientation="horizontal">
    <com.google.android.material.button.MaterialButton</pre>
        android:text="0" />
    <com.google.android.material.button.MaterialButton</pre>
        android:textSize="32dp"
    <com.google.android.material.button.MaterialButton</pre>
```

```
TextView resultTv, solutionTv;
buttonDivide, buttonMultiply, buttonPlus, buttonMinus, buttonEqual;
    MaterialButton
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        solutionTv = findViewById(R.id.solution tv);
        assignId(buttonEqual, R.id.button equal);
        assignId(buttonC,R.id.button c);
        assignId(button2, R.id.button 2);
```

```
assignId(button3,R.id.button_3);
    assignId(button4,R.id.button_4);
    assignId(button5,R.id.button_5);
    assignId(button6,R.id.button_6);
    assignId(button7,R.id.button_7);
    assignId(button8,R.id.button_8);
    assignId(button9,R.id.button_9);
}

void assignId(MaterialButton btn,int id){
    btn = findViewById(id);
    btn.setOnClickListener(this);
}

@Override
public void onClick(View view) {
    MaterialButton button = (MaterialButton) view;
    String buttonText = button.getText().toString();
    solutionTv.setText(buttonText);
}
```