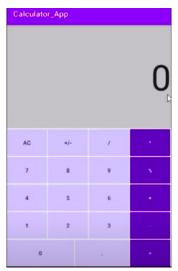
Hybrid Application Development Lab

Dr. Mahesh Kumar K.M.

Asst. Prof., Dept. of Information Science and Engineering, NMIT-Bangalore

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```
EditText
android:id="@+id/editText"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:ems="10"
android:layout_weight="1"
android:background="@color/gray"
android:gravity="right|center"
android:text51ze="40pt"
android:inputType="textPersonName"
android:text="0" />
```

```
<TableLayout
    android: layout width="match parent"
    android:layout height="wrap content">
    < Table Row
        android: layout width="match parent"
        android: layout_height="match_parent">
        < Button
            android:id="@+id/buAC"
            android:text="AC"
            android: layout marginRight="1pt"
            android: layout height="30pt"
            android: layout width="30pt"
            android: layout weight="1"
            android:background="@color/blueback"
            ></Button>
    </TableRow>
```

```
< Table Row
    android: layout width="match parent"
    android: layout height="match parent">
    <Button
        android:id="@+id/bu0"
        android:text="0"
        android: layout marginRight="1pt"
        android: layout height="30pt"
        android: layout width="46pt"
        android: layout weight="2"
        android:background="@color/blueback"
        ></Button>
    <Button
        android:id="@+id/buDot"
        android:text="."
        android: layout marginRight="1pt"
        android:layout height="30pt"
        android: layout width="46pt"
        android: layout weight="1"
        android:background="@color/blueback"
        ></Button>
```

Calculator - MainActivity

```
public class MainActivity extends AppCompatActivity {
  boolean isNewOp = true;
  EditText ed1;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
     super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_main);
     ed1 = findViewById(R.id.editText);
}
```

Calculator - Number Event

```
public void numberEvent (View view) {
    if(isNewOp)
        edl.setText("");
    isNewOp = false;
    String number = edl.getText().toString();
    switch (view.getId()) {
        case R.id.bul:
            number += "1";
            break:
        case R.id.bu2:
            number += "2";
            break:
        case R.id.bu3:
            number += "3";
            break:
        case R.id.bu4:
            number += "4";
            break:
        case R.id.bu5:
            number += "5";
            break:
        case R.id.bu6:
            number += "6";
            break;
```

Calculator - Number Event

```
number += "7";
        break:
    case R.id.bu8:
        number += "8";
        break;
    case R.id.bu9:
        number += "9";
        break:
    case R.id.bu0:
        number += "0";
        break;
    case R.id.buDot:
        number += ".";
        break;
    case R.id.buPlusMinus:
        number = "-"+number;
        break:
ed1.setText(number);
```

Calculator - Operator Event

```
public void operatorEvent(View view) {
   isNewOp = true;
   oldNumber = edl.getText().toString();
   switch (view.getId()) {
      case R.id.buDivide: op = "/"; break;
      case R.id.buMultiply: op = "*"; break;
      case R.id.buPlus: op = "+"; break;
      case R.id.buMinus: op = "-"; break;
}
```

Calculator - Equal Event

```
public void equalEvent (View view) {
    String newNumber = ed1.getText().toString();
    double result = 0.0:
    switch (op) {
        case "+":
            result = Double.parseDouble(oldNumber) + Double.parseDouble(newNumber);
            break:
        case "-".
            result = Double.parseDouble(oldNumber) - Double.parseDouble(newNumber);
            break:
        case "*":
            result = Double.parseDouble(oldNumber) * Double.parseDouble(newNumber);
            break:
        case "/":
            result = Double.parseDouble(oldNumber) / Double.parseDouble(newNumber);
            break:
    ed1.setText(result+"");
```

Calculator - AC Event

```
public void acEvent(View view) {
  ed1.setText("0");
  isNewOp = true;
}
```

Calculator - Percent Event

```
public void percentEvent(View view) {
   double no = Double.parseDouble(ed1.getText().toString())/100;
   ed1.setText(no+"");
   isNewOp = true;
}
```