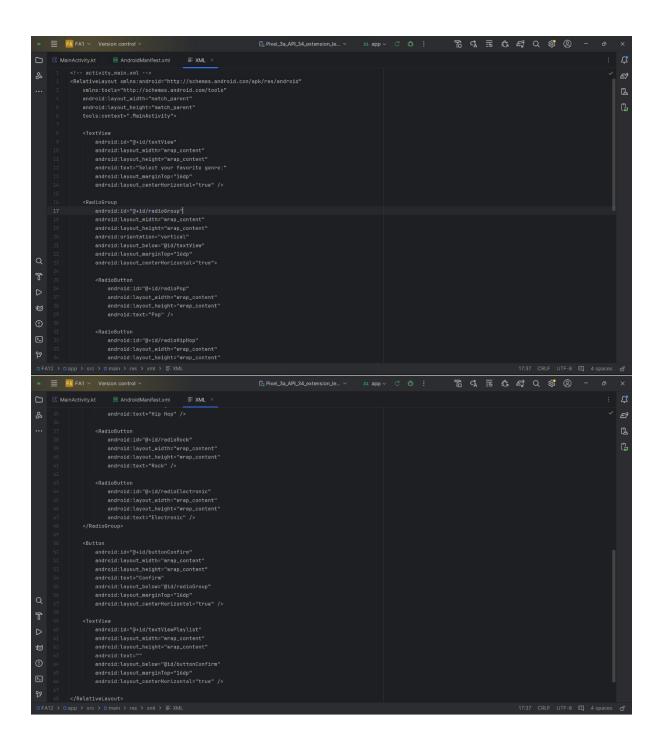
Tabish Parkar

Formative
Assessment 1:
Android App
Development
HASD200-1

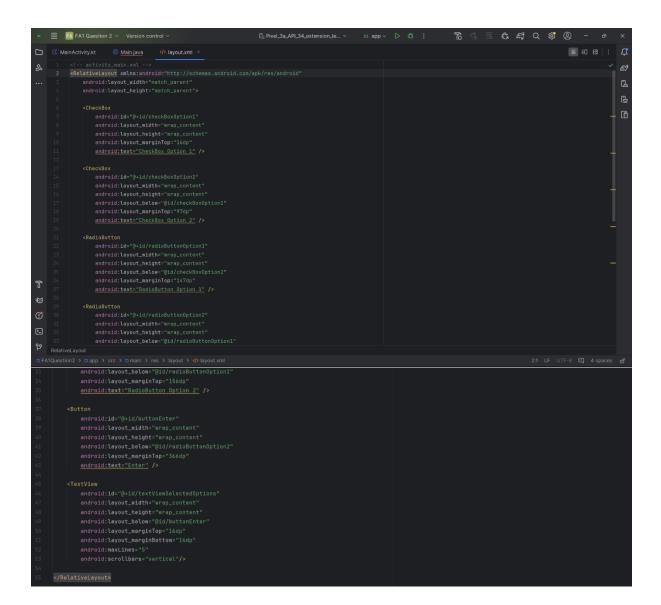
```
1.

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```



```
if (checkBoxOption1.isChecked()) {
          selectedOptions.append("CheckBox Option 1\n");
      if (checkBoxOption2.isChecked()) {
          selectedOptions.append("CheckBox Option 2\n");
      if (radioButtonOption1.isChecked()) {
          selectedOptions.append("RadioButton Option 1\n");
      if (radioButtonOption2.isChecked()) {
          selectedOptions.append("RadioButton Option 2\n");
      if (selectedOptions.toString().isEmpty()) {
          textViewSelectedOptions.setText(selectedOptions.toString());
•
```



3.

```
import android.R
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import android.widget.TextView
class MainActivity : AppCompatActivity() {
    var editTextBase: EditText? = null
    var editTextExponent: EditText? = null
    var buttonCalculate: Button? = null
    var textViewResult: TextView? = null
    protected fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        editTextBase = findViewById(R.id.editTextBase)
        editTextExponent = findViewById(R.id.editTextExponent)
        buttonCalculate = findViewById(R.id.buttonCalculate)
        textViewResult = findViewById(R.id.textViewResult)
        buttonCalculate!!.setOnClickListener { it: View!
            val base = editTextBase!!.getText().toString().toDouble()
            val exponent = editTextExponent!!.getText().toString().toDouble()
            val result: Double = base.pow(exponent)
            textViewResult!!.text = "Result: $result"
        }
```

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <<u>EditText</u>
            android:id="@+id/editTextBase"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:inputType="numberDecimal"
            android:hint="Enter base number"
            android:layout_marginTop="16dp"/>
        <EditText
            android:id="@+id/editTextExponent"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:inputType="numberDecimal"
            android:hint="Enter exponent"
            android:layout_below="@id/editTextBase"
            android:layout_marginTop="8dp"/>
        <Button
            android:id="@+id/buttonCalculate"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Calculate"
            android:layout_below="@id/editTextExponent"
            android:layout_marginTop="16dp"/>
        <TextView
            android:id="@+id/textViewResult"
            android:layout_width="wrap_content"
                  android:layout_width="wrap_content"
                  android:layout_height="wrap_content"
                  android:layout_below="@id/buttonCalculate"
                  android:layout_marginTop="16dp"/>
       </RelativeLayout>
38
```