

Quiz Submissions - Midterm (20%)



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Attempt 1

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Submission View

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Multiple Choice

Question 1

1 / 1 point

The plus (+) sign in the statement "android:id="@+id/my_id" will

- identify it as an id resource.
- create a new id and add it to the project resources.
- call the xml parser to expand the id string.

Question 2

1 / 1 point

Which of the following Java code samples could be used to apply an XML layout resource to an Activity?

- findViewById(R.id.help);
- setContentView(R.layout.help);
- addContentView(R.layout.help);
- setVisible(true);

Question 3

1 / 1 point

Which of the following is not one of the pre-defined Android View Groups?

- RelativeLayout
- FixedLayout
- GridLayout
- TableLayout

Question 4

1 / 1 point

Which of these methods is called first when an Activity is initially launched?

- onStart()
- onPause()
- onCreate()
- onResume()

Question 5**1 / 1 point**

Which is the correct sequence for stopping an activity

- onPause() - onStop() - onDestroy()
- onStop() - onPause()- onDestroy()
- onStart() - onStop() - onDestroy()
- onStop() - onResume() - onDestroy()

Question 6**1 / 1 point**

The best definition for Bundle is:

- An object for storing data by storing the data along with a String variable name, similar to an Intent
- A constructor for storing data by storing the data along with a String variable name, similar to an Intent
- A function to add Intent
- None of the above

Question 7**1 / 1 point**

What is the use of intent?

- Intent are used for starting an Activity, Services, or delivering a Broadcast.
- Intent are used for sending data to other activities
- All of the above
- None of the above

Question 8**1 / 1 point**

If your goal is to add a button to a user interface:

- You can drag and drop the button from the palette to the user interface
- You can change the text on the button by changing the text property
- All of the above
- None of the above

Question 9**1 / 1 point**

Which best describe a LinearLayout?

- Arranges views in a single column or single row.
- Enables you to specify the exact location of its children.
- Enables you to specify the exact location of its children.
- Enables you to specify the exact location of its children.

Question 10**1 / 1 point**

What does the method getCount() returns?

- An ArrayList
- ✓ The number of items to display in the list
- The size of an array
- None of the above

Short Answer Questions**Question 11****0.5 / 2 points**

How to view an Android Shared Preferences File called Algonquin_prefs.xml? Include all steps as well as directory names

Answer: `SharedPreferences prefs =`
`getSharedPreferences("FileName",`
`Context.MODE_PRIVATE);`

✗ (1. Navigate to: `C:\Users\[username]\AppData\Local\Android\Sdk\platform-tools` 2. Type the command: `adb shell` 3. Type the command (to view your shared preferences): `$ run-as com.fariantec.djonon.form cat /data/data/com.fariantec.djonon.form/Shared_prefs/Algonquin_prefs.xml`)

Question 12**1 / 1 point**

What is the adb command to list all currently connected Android devices?

Answer: `adb devices` ✓

Question 13**1 / 1 point**

What is the adb command to start a shell on the current Android device?

Answer: `adb shell` ✓

Question 14**1 / 1 point**

What is the adb command to install an Android application package named "MyApp.apk" onto the current Android device?

Answer: `adb install MyApp.apk` ✓

Short Answer Questions - Code**Question 15****1 / 1 point**

In Java code, how would you retrieve the string "hello world" defined in strings.xml?

Answer: `String hello = getString(R.string.Hello_World);` ✗ (`getResources().getString(R.string.hello_world);`)

Question 16**1 / 1 point**

Write a snippet to initialize a radio button in Java.

Answer: `RadioButton btn =`
`(RadioButton)findViewById(R.id.radioButton);` ✗ (`final RadioButton btnName = (RadioButton)`
`findViewById(R.id.radioButtonXmlName);`)

Question 17**1.5 / 2 points**

In Java, how would you instantiate a shared preferences?

SharedPreferences prefs =
Answer: gSharedPreferences(String
fileName, int mode);

**✘ (SharedPreferences mSettings =
getActivity().getSharedPreferences("Settings", Context.MODE_PRIVATE);
SharedPreferences mSettings =
PreferenceManager.getDefaultSharedPreferences(getActivity()));**

Question 18**1 / 1 point**

How would you send data back to a previous activity in Java?

Answer: Intent intent = new Intent(); intent.putExtra("MyData", "Name");
setResult(RESULT_OK, intent); finish();

**✘ (onActivityResult(int request, int
result, Intent dataBack))**

Short Answer - Layout**Question 19****10 / 10 points**

Your task for this short answer layout is to write the correct XML code for a Linear Layout, corresponding to this Layout displayed on a phone.

Layout Test

User Name: Enter Username

Phone No: Enter Phone No.

Email Id: Enter Email Id

CANCEL SUBMIT

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

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView"
            android:layout_width="100dp"
            android:layout_height="wrap_content"
            android:text="User Name: "
```

```
    />

    <EditText
        android:id="@+id/editText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Username" />
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView1"
        android:layout_width="115dp"
        android:layout_height="wrap_content"
        android:layout_weight=".5"
        android:gravity="fill"
        android:text="Phone No: " />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="3"
        android:hint="Enter Phone No." />
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="100dp"
        android:layout_height="wrap_content"
        android:text="Email Id: " />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Email Id: "
        android:inputType="textEmailAddress"/>
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:layout_gravity="fill"
        android:text="CANCEL"/>

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:gravity="fill"
        android:text="SUBMIT"/>

</LinearLayout>

</LinearLayout>
```

The correct answer is not displayed for Written Response type questions.

Short Answer - XML

Understand the following code and fill in the blank.

Question 20

7.5 / 10 points

Activity_main.xml

___<RelativeLayout>___ ❌ (<?xml version="1.0" encoding="utf-8"?>)

```
<android.support.constraint.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
xmlns:app="http://schemas.android.com/apk/res-auto"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
```

```
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Activity Life Cycle"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

```
<Button
```

___android:id="@+id/button1"___ ❌ (android:id="@+id/MyButton")

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Open Activity 2"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent"
android:onClick="Go_Online"/>
```

___</RelativeLayout>___ ❌ (</android.support.constraint.ConstraintLayout>)

MainActivity.java

```
package com.fariantec.djonon.activitylifecycle;
```

```
import android.app.Activity;
import android.content.Intent;
import android.net.Uri;
```

_____ ❌ (import android.support.v7.app.AppCompatActivity;)

```
import android.os.Bundle;
import android.util.Log;
import android.view.View;
```

___import android.widget.Button;___ ❌ (import android.widget.Button;)

```
import android.widget.EditText;
```

___public class MainActivity extends AppCompatActivity {___ ✓(10 %)

```
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
```

___setContentView(R.layout.Activity_main.xml);___ ❌ (setContentView(R.layout.activity_main);)

```
Log.i("lifecycle", "onCreate invoked");
}
```

```
@Override
protected void onStart() {
super.onStart();
```

```
Log.i("lifecycle","onStart invoked");
}

@Override
protected void onResume() {
super.onResume();
Log.i("lifecycle","onResume invoked");
}

@Override
protected void onPause() {
super.onPause();
Log.i("lifecycle","onPause invoked");
}

@Override
protected void onStop() {
super.onStop();

___Log.i("lifecycle","onStop invoked");___ ✘ (Log.i("lifecycle","onStop invoked");)

}

@Override
protected void onRestart() {
super.onRestart();
Log.i("lifecycle","onRestart invoked");
}

@Override
protected void onDestroy() {
super.onDestroy();
Log.i("lifecycle","onDestroy invoked");
}

public void Go_Online(View v){

___Intent intent = new Intent(Intent.ACTION_VIEW);___ ✔(10 %)

intent.setData(Uri.parse("http://www.algonquincollege.com"));

___startActivity(intent);___ ✔(10 %)

}
}
```

Attempt Score:A

Overall Grade (first attempt):A

Done