

***FIT2081
Mobile Application
Development***

***Week 5- W/S Quiz
(Malaysia)***

Question 1 (5 Marks)

Suppose you have an activity with the following layout:

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".MainActivity">
8
9     <ListView
10         android:id="@+id/week5list"
11         android:layout_width="409dp"
12         android:layout_height="729dp"
13         app:layout_constraintBottom_toBottomOf="parent"
14         app:layout_constraintEnd_toEndOf="parent"
15         app:layout_constraintStart_toStartOf="parent"
16         app:layout_constraintTop_toTopOf="parent" />
17 </androidx.constraintlayout.widget.ConstraintLayout>
```

And its Java file is:

```
1 public class MainActivity extends AppCompatActivity {
2
3     @Override
4     protected void onCreate(Bundle savedInstanceState) {
5         super.onCreate(savedInstanceState);
6         setContentView(R.layout.activity_main);
7
8         String year="2023";
9         String unit="FIT2081-S1-2023";
10        String week="Week 5";
11        //your code goes here
12    }
13 }
```

Your task is to implement several statements that add the three string values (see lines 8-11) to the list view (as an individual item).

Question 2 (5 Marks)

Suppose you have the following activity:

```
1 public class MainActivity extends AppCompatActivity {  
2  
3     @Override  
4     protected void onCreate(Bundle savedInstanceState) {  
5         super.onCreate(savedInstanceState);  
6         setContentView(R.layout.activity_main);  
7  
8     }  
9     //your code goes here|  
10 }
```

and there is a menu file called "week5optionsmenu" that is located in the menu directory contains:

```
1 <?xml version="1.0" encoding="utf-8"?>  
2 <menu xmlns:android="http://schemas.android.com/apk/res/android">  
3     <item  
4         android:id="@+id/week_number_option_id"  
5         android:title="Get Week Number" />  
6 </menu>
```

Your task is to update the activity (see line 9) to do the following:

1. Inflate the menu file in that activity (for option menu).
2. Listen to events that occur on the menu. If the user selects the option, the app should show a toast with the message "Its Week 5."