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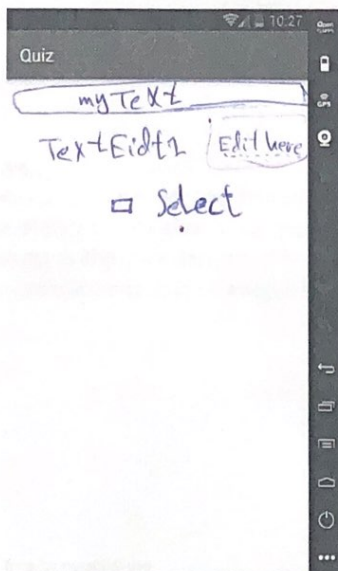
ENC5515 - ADVANCED COMPUTER SYSTEMS ENGINEERING LABORATORY

Quiz #1

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Question #1: Observe the following code and draw the layout in the phone application bellow (10 marks).

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    LinearLayout objFirstLinearLayout= new LinearLayout(this);  
    LinearLayout layout=new LinearLayout(this);  
    Button btt=new Button(this);  
    TextView textView=new TextView(this);  
    EditText editText=new EditText(this);  
    objFirstLinearLayout.setOrientation(LinearLayout.VERTICAL);  
    layout.setOrientation(LinearLayout.HORIZONTAL);  
    btt.setText("myText");  
  
    btt.setLayoutParams(new  
        LinearLayout.LayoutParams(LinearLayout.LayoutParams.MATCH_PARENT,  
        LinearLayout.LayoutParams.WRAP_CONTENT));  
  
    objFirstLinearLayout.addView(btt);  
    textView.setText("TextEidt1");  
    editText.setHint("Edit here");  
    layout.addView(textView);  
    layout.addView(editText);  
    objFirstLinearLayout.addView(layout);  
    CheckBox checkBox =new CheckBox(this);  
    checkBox.setText("Select");  
    objFirstLinearLayout.addView(checkBox);  
    setContentView(objFirstLinearLayout);  
}
```



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Question #2: Choose the correct answer (multiple choice) (5 marks):

1. D 2. B 3. C 4. C 5. D

1. Intent's Action of the activity can be set by:

- A. Passing it in the constructor      B. Passing it in the destructor      C. setAction() method      D. A and C

2. One of the following is not one of the Intent's fields:

- A. Data      B. Code      C. Category.      D. Component

3. The following is not part of the method signature for the purpose of method overloading:

- A. Method name      B. Return type      C. Number of Parameters.      D. Order of Parameters      E. Types of Parameters

4. The difference between Service and Activity:

- A. Service has no user interface      B. Service can run in (C.) A and B the background      D. None of the Above.

5. Declaring Layouts for a user interface can be done using:

- A. Dynamically in Java Code      B. Statically in XML resource file      C. Combination of dynamically Java code and statically in XML Resource file      (D.) A, B, and C      E. None of the Above.

Question #3: True or False (5 marks):

- X ( F ) ✓ 1. Android Activity can have multiple screens  
✓ ( T ) ✓ 2. Extras field in the Intent is used to provide any additional information  
✓ ( T ) ✓ 3. Dynamic layouts can be declared at runtime using Java code  
( T ) ✗ 4. The ViewGroup class serves as the base class for all graphical elements  
( F ) ✓ 5. The operations on the notification area are managed by the user's application