FACULTY OF SCIENCE || DEPARTMENT OF COMPUTER APPLICATIONS || MCA

20MCACC302 || Mobile App Development using Android|| Assignment-1

Explain the following questions in details. (Any 10)

1. Write each version of Android with version no, version name and release date.
2. List and explain atleast 10 properties of TextView with example
3. Explain Control Statements : if else if, when expression and all loops in Kotlin withexample.
4. Explain how to write function in kotlin with example of named argument?? Explainvarargs with example.
5. Explain how to declare class, constructor and data class in kotlin with example.
6. List and explain atleast 5 properties of EditText with code of E-mail validation.
7. What is Null Safety in Kotlin? Explain it with example.
8. What is Inheritance? How we can achieve inheritance in Kotlin? Explain with example.
9. Differentiate AutoCompleteTextView vs MultiAutoCompleteTextView
10. What is the use of abstract class & abstract method? Explain run time polymorphism withexample.
11. What is interface? Explain the use of interface with example.
12. Why Kotlin? What are the advantage of Kotlin compare to Java? Explain how to create anobject and use the class and its attributes in kotlin?
13. Explain super, this, abstract, open, init in Kotlin.
14. What is Intent? Explain Implicit intents with example.

What is uses of following widgets and list its important properties, Methods and Listeners with example. (Optional)

1. Button
2. TextView
3. Progressbar
4. SeekBar
5. RatingBar
6. MultiAutoCompleteTextView
7. ImageView
8. ToggleButton
9. EditText, Material Design TextInputLayout
10. RadioGroup, RadioButton, Checkbox

Write an android code for the following (Optional)

1. To do Implicit Intent : Website URL, Dial Pad, Map Location, Share the Text
2. To validate Email Address.
3. To display Toast
4. To demonstrate use of ListView
5. To shows how to clear entire RadioGroup so that none of the RadioButton objects are selected. This would be done in the response to a button click outside of the RadioGroup.
6. To provide an AutoCompleteTextView that can help user to type some of the basic colorsfrom an array.
7. To Pick Date and Time using Dialog and display it in EditText.