



T.C.  
**İSTANBUL ÜNİVERSİTESİ**  
**Mühendislik Fakültesi**  
**Bilgisayar Mühendisliği Bölümü**

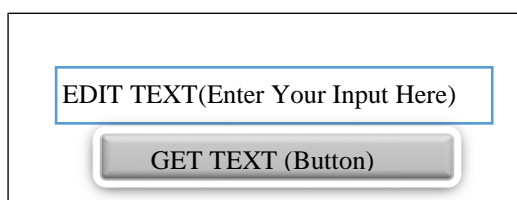


<b>Dersin Kodu: CSBM4119</b>	<b>Dersin Adı: MOBILE PROGRAMMING</b>
<b>Dersin Öğretim Üyesi: Yrd.Doç.Dr. Özgür Can TURNA</b>	<b>Sınav Türü: BİTİRME</b>
<b>Sınav Tarihi ve Süresi: 04.01.2018 (50dk)</b>	<b>Öğrenci No:</b>
<b>Öğrenci Ad - Soyad:</b>	<b>İmzası:</b>

1. (5p) SQLite database queries in Android are returned as \_\_\_\_\_ objects.
  - a. Resultset
  - b. Dataset
  - c. Cursor
  - d. Sql table
  - e. ArrayList
2. (5p) In order to share our application data with other application we use \_\_\_\_\_.
  - a. Intent
  - b. Content Provider
  - c. Database
  - d. Manifest File
  - e. Activity
3. (5p) Which class is a mapping from string values (key) to various data types (value)?
  - a. Activity
  - b. Intent
  - c. Data
  - d. Bundle
  - e. Cursor
4. (5p) Which cannot be used to store persisting data?
  - a. SharedPreferences
  - b. Binary File
  - c. SQLite
  - d. Adapter
  - e. Text File
5. (5p) You can use ..... method inside a(n) ..... to retrieve a handler to get information from the caller Activity.
  - a. getInfo , Activity
  - b. getActivity , Intent
  - c. getParent , Intent
  - d. getContext , AsyncTask
  - e. getIntent , Activity
6. (5p) You can ...
  - a. directly access entire Internal Storage on the device.
  - b. directly access entire External Storage on the device.
  - c. access entire Internal Storage after using necessary permission tag in manifest file.
  - d. access entire External Storage after using necessary permission tag in manifest file.
  - e. just read your application Internal Storage area. It is defined as read-only storage.
7. (5p) <intent-filter> tag in Manifest file ....
  - a. Shows the entry points of your application.
  - b. Shows the permission requests of your application.
  - c. Shows how many Intents defined in your application.
  - d. Shows that your application is filtered for anonymous access.
  - e. Shows running services while your application is not on the screen.

8. (5p) “Toast” is ...
- a. A short description of Activity structure.
  - b. A brief message that disappears after a while.
  - c. A filter to send text messages.
  - d. A service to access file storage.
  - e. A dialog box that has just an OK button.
9. (5p) An abstract class or interface with “@Dao” annotation is used in Room persistent library to \_\_\_\_
- a. define database table structures.
  - b. define foreign keys between tables.
  - c. define indexes.
  - d. define insert,update,delete,select operations over database.
  - e. define database location and connection information.
10. (10p) What is the purpose of “onOptionsItemSelected ( ... )” method in activity? Show it with a sample code.

11. (20p) Write necessary code & xml definitions to create a custom dialog box to get a string from user and return it to the container activity. Your Dialog box should be seen as below.



12. (25p) Write necessary code blocks to create a database named as “MyDB” and create a table named as “ToDoList” it must has Id (int), Title (string) , DueDate (datetime), Priority (int) , and Content (string) columns. Implements an Activity for inserting new records to ToDoList table. Named each file you are using in your solution.