Information Technology Department

3rd Year

كلية تكنولوجيا الصناعة والطاقة
Faculty of Industrial and Energy Technolog

جامعة برج العرب التكنولوجية
BORG AL ARAB TECHNOLOGICAL UNIVERSITY

Course: JAVA (2) **Semester**: 1st term 2025/2026	**Lecturer**: Dr. Mohammed AbdelFattah **Assistants**: Engs. / Mostafa El-Mansi, Osama El-Samdouni, Rahgab Hassan, Rana Zakaria, Heba Allah, Maryam Fathy
Tutorial: *Sheet 7*	

Write T (True) or F (False):

Q1. Packages are divided into libraries and classes.   (   )

Q2. **final** is considered one of the types of access modifiers.   (   )

Q3. A package in Java language is used to group related classes.   (   )

Q4. Modifiers can be divided into two groups (Access Modifiers, Non-Access Modifiers). (   )

Q5. The **finalize( )** method of the class is used to ensure that an object terminates cleanly. (   )

Q6. Java API is a library of user-define classes included in the Java Development Environment. (   )

Q7. **this** keyword is used to refer to the class's members like constructors, variables, and methods. (   )

Q8. **this** keyword can be used to call one type of constructor (parametrized constructor or default) from another in a class.   (   )

Q9. Data member/method that has a "**default**" access modifier is not accessible by classes in the same package.   (   )

Q10. Encapsulation means that public **get** and **set** methods are provided to access and update the value of a private variable.   (   )

Develop the following programs:

Q11. Develop an employee class that contains the following data members (id, name, salary, and address), where you must apply the encapsulation concept.