



كلية تكنولوجيا الصناعة والطاقة



Information Technology Department
2rd Year



جامعة برج العرب التكنولوجية
BORG AL ARAB TECHNOLOGICAL UNIVERSITY

جامعه برج العرب التكنولوجيه

Course: Semester:2 rd term 2025/2026	Lecturers: Dr. Radwa Rady Dr. Ghada Fathy
Java Programming Revision	

A) Write a Java program that:

1. Declares:
 - *String* name
 - *int* age
2. Print:

Hello <name>, you are <age> years old

B) Write a Java program that:

- Reads two integers from the user.
 - Prints:
 1. Sum
 2. Difference
 3. Result of comparison (are they equal?)
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C) Write a Java program that:

- Reads a number.
- Check:
 1. If number is **positive AND even** → print "Positive Even"
 2. Otherwise → print "Other"

D) Write a Java program that:

- Prints numbers from **1 to 15**
 - Skip numbers divisible by **3** using `continue`
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E) Write a method that:

- Takes an array as parameter
 - Returns the **smallest value**
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F) Write a recursive method that:

Calculates **power** (x^n)

Example: `power(2,3) = 8`