



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 Tutorial 2 Sheet (2)	

1) Write a Java program called CastingExample.java that:

- 1- Declares an **int** variable with value 15.
- 2- Converts it automatically to **double** (widening casting).
- 3- Declares a **double** variable with value 9.75.
- 4- Converts it manually to **int** (narrowing casting).
- 5- Print all values before and after casting.

2) Write a Java program called Calculator.java that:

Uses Scanner to read two integers from the user.

Print the following:

- Sum
- Subtraction
- Multiplication
- Division
- Modulus

Use arithmetic operators only.

Example Output:

```
Enter first number: 10
Enter second number: 5
Sum = 15
Subtraction = 5
Multiplication = 50
Division = 2
Modulus = 0
```

3) Write a Java program called Days.java that:

- Reads a number from 1 to 7.
- Prints the corresponding day of the week using switch.
- If the number is invalid, print "Invalid day number" using default.

Good Luck