



كلية تكنولوجيا الصناعة والطاقة



Information Technology
Department 2rd
Year



جامعة برج العرب التكنولوجية
BORG AL ARAB TECHNOLOGICAL UNIVERSITY

جامعة برج العرب التكنولوجية

Course: Semester:1st term 2025/2026	Lecturers: Dr. Nehal El Azaly Dr. Mohamed abd Elfathah
Programming Essentials in C++ Tutorial 9 Sheet (9)-Function	

Q1) Choose the correct answer

Choose the correct answer for each of the following (Only ONE correct choice):

- 1. A function in C++ is:**
 - a) A variable
 - b) A block of code that performs a task
 - c) A loop
 - d) A library
- 2. The correct syntax to declare a function is:**
 - a) `func int()`
 - b) `int function;`
 - c) `int functionName()`
 - d) `function int()`
- 3. The return type of a function that does NOT return a value is:**
 - a) `int`
 - b) `float`
 - c) `void`
 - d) `null`
- 4. A function must be called from:**
 - a) `main()` or another function
 - b) Outside the program
 - c) The compiler
 - d) The operating system
- 5. What is a parameter?**
 - a) A loop condition
 - b) A value passed to a function
 - c) A function output
 - d) A type of variable
- 6. The keyword used to send a value back from a function is:**
 - a) `result`
 - b) `return`
 - c) `output`
 - d) `send`
- 7. If a function is declared as `int add(int a, int b)`, the return type is:**
 - a) `a + b`

- b) int
 - c) a
 - d) b
8. **A function that takes no parameters has:**
- a) ()
 - b) (void)
 - c) Either a or b
 - d) None
9. A function must be:
- a) Declared only
 - b) Called only
 - c) Declared and defined
 - d) Typed in comments
10. **The function header is:**
- a) The first line of the function
 - b) The last line
 - c) The return statement
 - d) A comment

Q2) Write the instructions to create a function named `printName` that prints your name. (5 Marks)

Write only the function definition. It takes **no parameters** and **returns nothing**.

Q3) Write the instructions to create a function named `sum` that takes two integers and returns their sum. (5 Marks)

Write only the function, NOT the main.

Q4) Write a function called `greet` that prints:

“Welcome to Programming”.

No parameters, return type void.

Q5) Write a function called `square` that takes one integer parameter and returns its square.