



# PROGRAMMING

اللغة الإنجليزية الفنية

# OUTLINES

- What is programming?
- What a program means?
- Some programming languages.
- The steps in writing a program

# WHAT IS A PROGRAMMING?

- A programming: the process of writing a program using computer language

## What is Programming?



# WHAT A PROGRAM MEANS?

- A program: a set of instructions which a computer uses to do a specific task

```
1 /*
2  * This line basically imports the "stdio" header file, part of
3  * the standard library. It provides input and output functionality
4  * to the program.
5  */
6 #include <stdio.h>
7
8 /*
9  * Function (method) declaration. This outputs "Hello, world\n" to
10 * standard output when invoked.
11 */
12 void sayHello(void) {
13     // printf() in C outputs the specified text (with optional
14     // formatting options) when invoked.
15     printf("Hello, world!\n");
16 }
17
18 /*
19 * This is a "main function". The compiled program will run the code
20 * defined here.
21 */
22 int main(void)
23 {
24     // Invoke the sayHello() function.
25     sayHello();
26     return 0;
27 }
```

# SOME PROGRAMMING (COMPUTER) LANGUAGES

- C
- Java
- BASIC
- HTML
- Voice XML
- COBOL
- FORTRAN
- C#
- PHP
- C++
- Ruby
- SQL
- PYTHON



# THE STEPS OF WRITING A PROGRAM

- Understand the problem
- Design the diagram.
- Write the instructions (coding).
- Test the program
- Write the program documentation.

