

## **Part 2**

### **2- Difference between Compiled and Interpreted**

**Compiled Languages:** Source code -> Machine code before execution, and that makes when any error happens the program will not run like C, C++

**Interpreted Language:** Source code -> Machine code line by line at runtime, and that makes when there is error in the code and it will appear only when the code will execute like javascript

### **3- Difference between implicit, explicit, convert, parse**

**Implicit:** automatic by compiler, safe, no data loss

**Explicit:** manual conversion, not safe, data loss

**Convert:** can convert between many types safe, throw exception if invalid

**Parse:** converts string to specific type, throw exception if string invalid