

## **Some artificial intelligence companies in Egypt**

Data Gear Bi	Data mining, Business Intelligence
El menus	Recommendation systems, NLP
Incorta	Robotics, computer vision
Itworx	Big Data
Rology	Computer Vision, Medical Image Processing, Machine Learning
Sadeem	IoT & Business Analytics
WideBot	Chatbots, NLP
360imaging	Computer Guided Surgery, Medical Imaging
Dataplusme	Data Analytics, Data Science, Big Data Analytics, Data visualization
MobiDev	AI apps

## **Types-of-errors-in-programming**

### **1/ Syntax error :-**

It occurs when writing language terms or not adhering to its rules.

### **2/ Logic Errors**

It is the most difficult type of programming errors, Because it is recognized during the testing phase.

### **3/ Runtime Errors**

Error that takes place while executing a program

### **4/ Arithmetic Errors**

Is a type of logic error but involves mathematics.

### **5/ Interface Errors**

Interface errors occur when there is a disconnect between how you meant your program to be used and how it is actually used.

## Interpreter Language

An interpreted language is a kind of programming language that relies on another piece of software called an interpreter to run.

S.NO.	Compiled Language	Interpreted Language
1	Compiled language follows at least two levels to get from source code to execution.	Interpreted language follows one step to get from source code to execution.
2	A compiled language is converted into machine code so that the processor can execute it.	An interpreted language is a language in which the implementations execute instructions directly without earlier compiling a program into machine language.
4	The compiled programs run faster than interpreted programs.	The interpreted programs run slower than the compiled program.
5	In a compiled language, the code can be executed by the CPU.	In Interpreted languages, the program cannot be compiled, it is interpreted.
6	This language delivers better performance.	This language delivers slower performance.

### Example about interpreted language.

Python, BASIC, JavaScript, Perl

## **How to write clean code?**

- 1/ use descriptive names.**
  - 2/ Use empty lines to create a readable code.**
  - 3/ Do not send more than three parameters into a function.**
  - 4/ Remember the functions must do only one thing.**
  - 5/ Functions must be small.**
  - 6/ Reduce the number of characters in a line.**
  - 7/ Avoid using comments.**
  - 8/ Learn Design Patterns.**
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