

**Faculty of engineering - Shoubra**

**Benha University**

# Research Article / Research Project / Literature Review

in fulfillment of the requirements of

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| --- | --- |
| **Department** | **Engineering Mathematics and Physics** |
| **Division** | **-----------** |
| **Academic Year** | **2019-2020 Preparatory** |
| **Course name** | **Computer** |
| **Course code** | **ECE006** |

## Title: -

**Programming Languages**

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# Application brief

**Why Study Programming Languages?**

Studying programming languages will allow you to be better at your job, you to make more money at work and to be a happier person, more satisfied and more informed, because you will learn to pick the language best suited to a certain mission. You can express computer tasks in some ways in a programming language. Others do some wonderful jobs and do some terrible work for others. So more quickly you 're going to understand new languages. Thinking of concepts which are language-independent (such as types, scope, sequences, iterations, selections, recursion, concurrency, subroutines, passing parameters, naming, scope, abstraction, heritage, composition, structure, etc.)rather than in one particular language’s syntactic constructs enables you to adapt to any programming environment.

Use the languages you do use more productively. If you know how and why a language was designed, you can choose the more active languages. You can select the best way to execute a task, use some non-obvious powerful features, simulate useful (and strong) features from other languages when your language is lacking them, write elegant code, understand obscure features, understand weird messages of error, understand and distinguish unusual behavior, understand the performance implications of doing things a certain way and actually use a debugger effectively.

# صورة تحتوي على لقطة شاشة تم إنشاء الوصف تلقائياًصورة تحتوي على لقطة شاشة تم إنشاء الوصف تلقائياًScreenshots

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صورة تحتوي على لقطة شاشة

تم إنشاء الوصف تلقائياًصورة تحتوي على لقطة شاشة

تم إنشاء الوصف تلقائياً

**صورة تحتوي على لقطة شاشة

تم إنشاء الوصف تلقائياًsource code**

صورة تحتوي على شخص, لقطة شاشة

تم إنشاء الوصف تلقائياً

صورة تحتوي على طائر

تم إنشاء الوصف تلقائياًصورة تحتوي على لقطة شاشة

تم إنشاء الوصف تلقائياً

# References

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3. <https://www.tutorialspoint.com/cplusplus/index.htm>
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