**Assignment 1 – Report on programming concepts**

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**Contents**

**Characteristics of programming**

**Programming syntax**

**Data types and Data structures**

**types of language**

## **Tasks**

Prepare a **report** (1000 words) to include the following:

Explain the **Characteristics of programming**: Language Generations, programs (IDEs), instructions and algorithms

Describe **Programming syntax**: command rules, variable declaration, Standards: use of comments, code layout and indentation

Describe **Data types and Data structures**: Variables, iteration and Logic

Explain the **types of language**: procedural languages; object-oriented; event-driven; others

Discuss the **Reasons for choice of language**: organisational policy; suitability of features and tools; availability of trained staff; reliability; development and maintenance costs; expandability

Use examples to support your write-up (code listings do not count towards the word count)

**Reasons for choice of language**: