**Assignment 01**

**Group members:**

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**Project description:**

We would like to design a database for organizing different coding languages and their uses. Our project will help students and workers easily transfer from one coding language to the other by:

a. Telling users what coding language can be used with specific hardware, and what hardware can be used with a certain coding language.

b. Assisting user with syntax transition, such as how different loops are structured, and how namespaces and classes are organized.

c. Optimizing code by informing users of runtime type; compiled, virtually compiled, or compiled at runtime

d. Assisting users with implementation of command-line code by suggesting engines to use

e. Providing information on multi-language classes (packages), such as tkinter and socket.

f. Assisting in small low-level differences, such as how lambda expressions are calculated; this can be very confusing when switching languages, and hopefully assistance on how the differences work can eliminate unnecessary confusion