Why do we need a programming languages?

(to 10 >> time 1

(to 10,00,000 >> time (very high)

(million)

computation time

PC (decrease)

P. man's

(Slow)

PC -> Binary

[anguage/Number

[0,1]

1) computations can be done very fast (Programming language) Java, C, C++, Python Programming language > CPU understands binary 4.) Provide Syntax and give instructions easily. easy to read and

NOTE - Compiler and interpreter helps to convert programs) binary sequence.

converts into

converts into

cow-level

code

takes whole

code)

Compiler > takes whole code, convert whole Lode into low level code that machine can understand.

Interpreter - > It goes line by line. Does not take whole code

-) Conversion -> line by line

Why Python? > Easy to read, write & understand

(Simple syntax)

Python = concise (with the few lines of codes we can achieve a lot).