

Programming in



A presentation by:

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Computer/Machine

Hardware Vs software

Programming language and types



What is Computer/Machine?

A computer is a tool for solving problems with data.

What is Software?

Software is a set of instructions, data or programs used to operate computers and execute specific tasks.



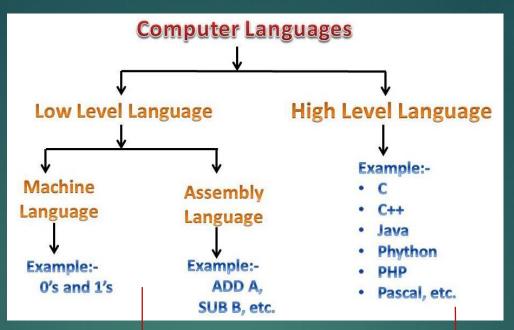












Assembly & Machine Language

Assembly Language

ST 1,[801] ST 0,[802] TOP: BEQ [802],10,BOT INCR [802] MUL [801],2,[803]

ST [803],[801]

JMP TOP

BOT: LD A,[801]

CALL PRINT

Machine Language

00100101 11010011 00100100 11010100 10001010 01001001 11110000 01000100 01010100 01001000 10100111 10100011 11100101 10101011 00000010 00101001 11010101 11010100 10101000 10010001 01000100

```
BeginnersBook [~/PycharmProjects/BeginnersBook] - .../PythonExample.py [BeginnersBook]
BeginnersBook > PythonExample.py
                                                                                  PythonExample -
Project → 🖨 🗯 🗱 - 🖟 PythonExample.py
 BeginnersBook ~/Pyc
                              # Program published on https://beginnersbook.com
                              # Python program to print Calendar using
 venv
                            # Python built-in function
 venv1
    FirstProgram.py
                               import calendar
    HelloWorld.py
                               # Enter in format - 2018, 1997, 2003 etc.
    PythonExample.py
                               year = int(input("Enter Year: "))
 III External Libraries
                               # Enter in format - 01, 06, 12 etc.
                               month = int(input("Enter Month: "))
                       11
                               # printing Calendar
                               print(calendar.month(year, month))
        Enter Year: 2018
        Enter Month: 06
            June 2018
        Mo Tu We Th Fr Sa Su
        4 5 6 7 8 9 10
        11 12 13 14 15 16 17
       18 19 20 21 22 23 24
       25 26 27 28 29 30
```

Existing programming languages as of date

