INTRODUCTION TO C

C is a

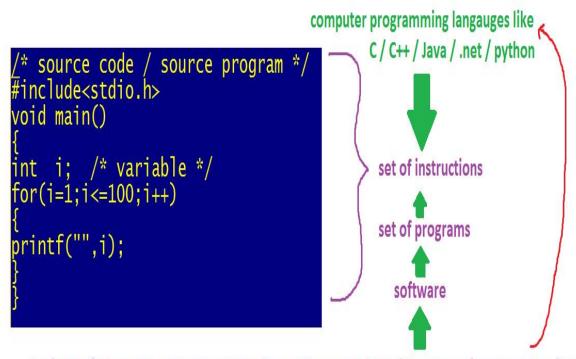
1. It is a high level / middle level programming language.

What is a program?

Set of instructions is called program.

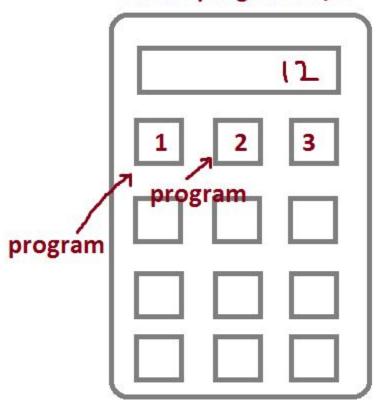
What is a software?

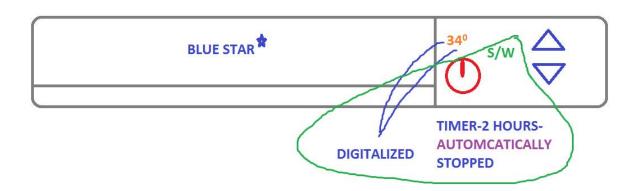
Set of programs is called software. As per it industry software is a digitalized and automated process.



tcs/wipro/microsoft - software companies - software engineer/developers/programmers/techies

set of programs-s/w





We are having 2 type of software.

1. System software

Eg: o.s, device drivers, translators

2. Application software

Eg: phonepe, irctc, whatsapp,instagram,...

What is a language?

Generally the languages like telugu / English / Marathi / hindi etc are used to communicate with humans. Hence they are called human languages / regional languages. By using these human languages we can't communicate with the machines. Hence we are using the computer programming languages like C / C++ / Java / .net / pythos etc. By using these languages we are creating the software [programs] to communicate.

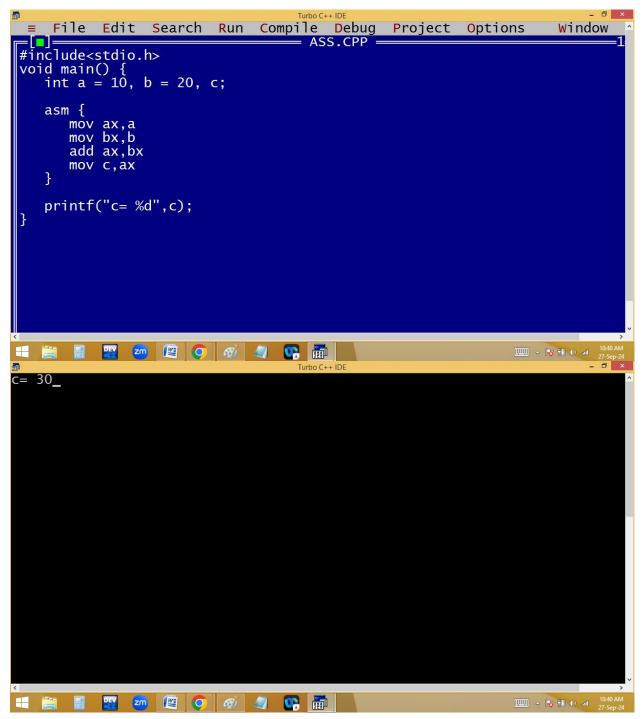
Basically the languages are divided into 3 types.

1. Machine language: Created with binary code [0,1] and very difficult to understand.

Eg: 1000111

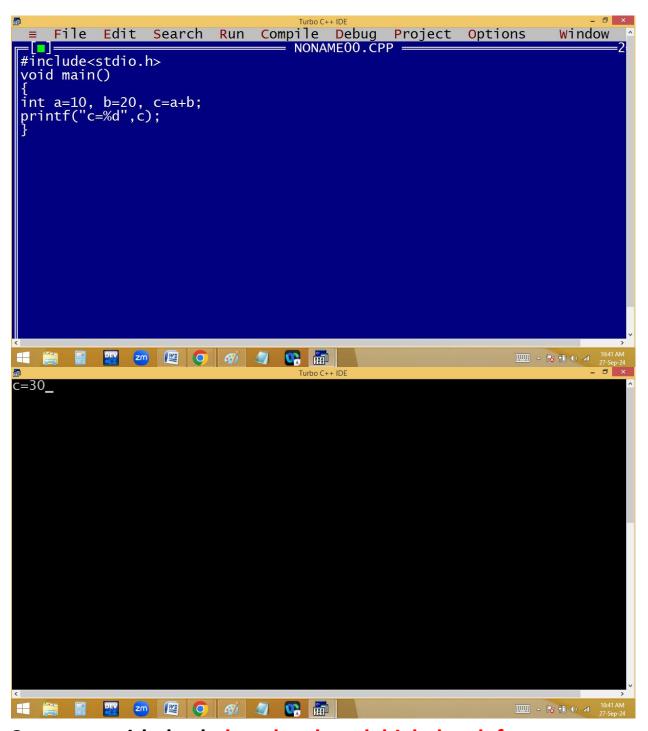
2. Low level / assembly language: Created with English like shortcuts called MNEMONICS.

Eg: gd mrg, plz, sub,......



3. High level language: Created with simple English and easy to understand.

Eg: good morning, please, subject,....



C comes with both low level and high level features. Hence it is a middle level language. Because of both features using c we can develop system software and application software. Hence c is a multi-purpose programming language.