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Class Work Chapter - 1 Computer languages

Q-1 What do you understand by a programming language? Define Machine language.

Ans-1 Programming language is a vocabulary and set of grammatical rules for instructing a computer or computing device.
Machine language is the fundamental language of computer it is the only language that computer directly understand. It is also known as Machine language.

Q-2 List the advantages of Assembly language.

Ans-2 The advantages of assembly language are -

- 1- It uses English words which make it readable by a human.
- 2- It is easy to locate and fix the errors.

Q-3 What is the difference between source program and Object program?

Ans-3 The program written in assembly language or high-level language is called source program while the program converted into



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machine language using a translator is known as Object Program.

Q-4 Define the Term translator. How is an interpreter different from a compiler?

Ans-4 A translator is a language processor converts the instructions into a machine language to make it a computer understandable language. Interpreter converts a high-level language program into machine language, line by line. A compiler translates the entire program into machine language at once.

Q-5 What are the characteristics of the fifth generative language?

Ans-5 Characteristics of 5GL —

- (a) They will be intelligent like a human beings and will use Artificial Intelligence for work.
- (b) They will be able to think and take decision like us.
- (c) They will be used in areas such as robotics, designing and defence.

