

Ch-2 Programming Basics

Textual Exercise

A. Tick the correct answer.

1. The direction of flow in any flowchart should be from.....
 - a. **Top to Bottom**
 - b. Bottom to Top
 - c. Right to left
2. The symbol used to indicate input and output of a program is
 - a. Rectangle
 - b. **Parallelogram**
 - c. Circle
3. language is directly understood by computer .
 - a. **Machine**
 - b. High Level
 - c. Assembly
4. language is machine-independent language
 - a. Low level
 - b. Assembly
 - c. **High Level**

B. Write 'T' for true and 'F' for False statements.

1. An algorithm is a graphical representation of a flowchart. (F)
2. The flowchart helps in finding out errors. (T)
3. Decision box is a rectangular symbol used for doing calculation. (F)
4. The people who write computer programs are called users. (F)
5. An assembly language does not need a translator. (F)

C. Fill in the blanks.

1. Flowchart was developed by Herman Goldstine and John von Neumann.
2. The rhombus-shaped symbol is known as Decision Box.
3. Natural language is sometimes called Fifth generation language.
4. A computer only understands Binary digits directly.
5. Assembler converts the assembly language program into machine Language.

D. Name the following flowchart symbols.

- | | |
|--|--|
| 1.  | 3.  |
| 2.  | 4.  |

- | | |
|----------------------|-----------------|
| 1. Start/Stop Box | 3. Decision Box |
| 2. Input/ Output Box | 4. Connector |

E. Define the following.

1. **Machine language:** A machine language is directly understood by the computer without any translation. It refers to 0s and 1s.
2. **Assembly Language:** Assembly language, is also called second generation language. It uses letters and symbols.

F. Difference between the following:

Compiler: A Compiler converts the entire HLL program into machine Language at once.

Interpreter: An Interpreter converts one line of program at a time.

Extra Questions

1. Name the language which is understood by computers.

Ans. Machine Language

2. Which shape is used in the beginning of flowchart?

Ans. Oval shape

3. Write the name of the process of writing a program.

Ans. Programming

4. What is the full form of LLL.

Ans. Low Level Language

5. Write the name of fifth generation language.

Ans. Natural Language

6. Write the name of program which is used to translate assembly language into machine language.

Ans. Assembler

7. Write Binary digits.

Ans. 0 and 1

8. Write the name of language which is used in expert system.

Ans. Natural Language

9. Which symbol is used to connect two flowcharts?

Ans. Circle

10. What we call to the step by step procedure to solve any particular task?

Ans. Algorithm