consists of binary code (Os and 1s) that is directly executed by a computer.

- Machine code is expressed in binary (0s and 1s)
- It is directly executed by the hardware without any need for translation.

Example: 10110000 00000101 –binary instructions

## **Advantages:**

• Performance: Offers the fastest execution because it is executed directly by the

- hardware.

  Disadvantages:

  Complexity: Writing and debugging hachine code is and ecor prone due to its low-level
- •Assembly Language is a type of low-level programming language that is closely related to a computer's machine code.
- It uses symbolic names OR alphanumeric codes (mnemonics) for instructions and operands, making it more easy for human when compared to raw binary machine code.

Example: the mnemonic 'MOV' stands for 'move' and is used to move data from one location to another.