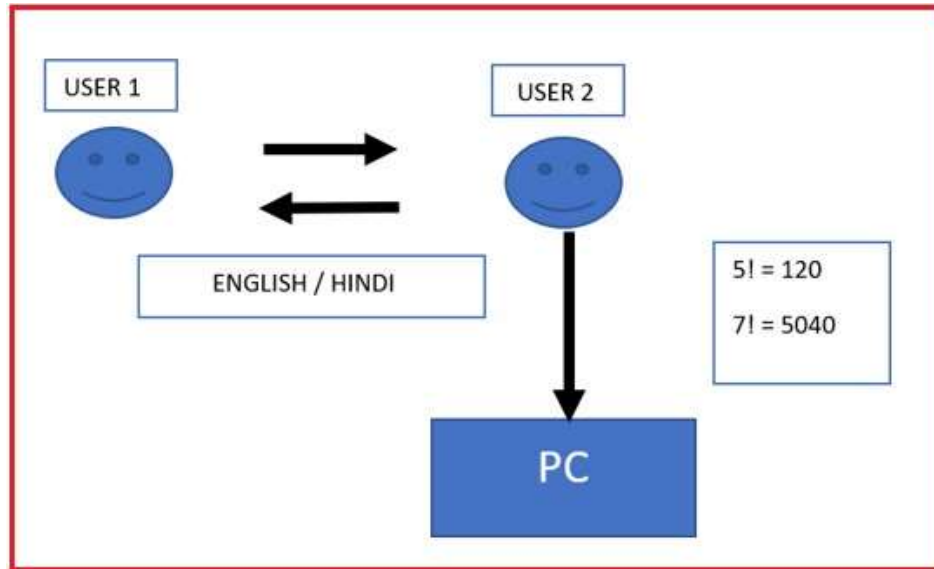


# Introduction to Java

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**Programming Language:** Programming language is set of rules or instructions written in specific language (python, java, c++) to perform specific tasks. It is used to develop websites, Desktop applications, Operating systems etc.



Types of programming Languages:

1. Low-level language
2. High level language
3. Middle level Language

1. **Low-Level Language (LLL)**: which is understood by computers or systems (0's or 1's -- binary language)
  - i. Machine language.
  - ii. Assembly language.
2. **High-Level Language (HLL)**: This is understood by users like python, java, c++. We require a compiler or interpreter to convert into low-level language.
  - i. procedural oriented language (C language)
  - ii. object oriented language.
3. **Middle level language**: Between low-level language and high-level language.

## WHAT IS JAVA?

Java is a programming language and platform. Java is High level, object oriented and secure programming language.

**Platform**: Any hardware or software environment in which a program runs is known as a platform.

## History of java :

- Father of java : James gosling.
- original company: Sun microsystems
- current company : oracle crop.
- original Name : Oak but due to copyrights changed to java
- First release :23rd January 1996.
- First version :JDK(java development kit)1.0
- Latest Version : JDK 23.0.

## APPLICATIONS OF JAVA :

- Desktop applications like media player, antivirus.
- Web Applications like Geeksofgeek ,javatpoint
- Games.
- Robotics.