**What is Competitive Programming?**

Competitive programming is a sport where contestants solve algorithmic problems within a time limit using a programming language of their choice.

Pre-Requisites of Competitive Programming…

* *Programming Language Proficiency*
* *Basic Data Structures*
* *Algorithms*
* *Mathematics*
* *Problem-Solving Skills*
* *Debugging Skills*
* *Efficient Coding Techniques*
* *Online Judges and Platforms*
* *Time Management*
* *Practice and Consistency*
* *Community Involvement*
* *Competitive Spirit*

Basic terminologies:

* *Time limit exceed*
* *Memory limit exceed*
* *Runtime error*
* *Compilation error*
* *Optimization*
* *Template*
* *Editorials*

**Endl vs Back n \*important**

Endl not only inserts a newline character but also flushes the output buffer. Whereas in case of \n used to insert a line break but it does not flush the output buffer.

Endl ; = ‘\n’ << flush;

Difference is seen in case of bulky programs.