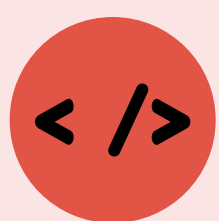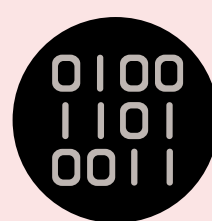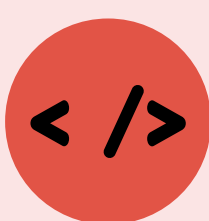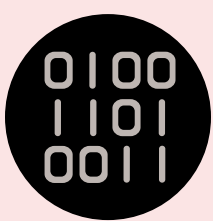# WHY YOU SHOULD CONSIDER
BEING A COMPETITIVE PROGRAMMER.

PARTICIPATING IN PROGRAMMING CONTESTS INCREASES A STUDENT ENTHUSIASM FOR COMPUTER SCIENCE STUDIES.
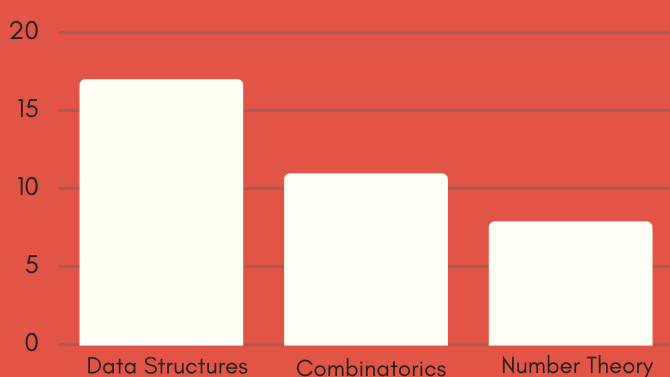
Competitive programming is a mind sport usually held over the Internet or a local network, involving participants trying to program according to provided specifications. Contestants are referred to as sport programmers.

Competitive programming is recognized and supported by several multinational software and Internet companies, such as Google and Facebook. There are several organizations who host programming competitions on a regular basis.

Interest in competitive programming has grown extensively since 2000, and is strongly connected to the growth of the Internet, which facilitates holding international contests online, eliminating geographical problems.

A vast majority of problems are asked in these contests, all of which are logical in nature.

The aim of competitive programming is to write source code of computer programs which are able to solve given problems. Problems related to artificial intelligence are also popular in certain competitions.

NOTABLE COMPETITIONS AROUND THE WORLD

Google Code Jam, competition held from 2003, provided and sponsored by Google

Facebook Hacker Cup, competition held from 2011, provided and sponsored by Facebook

HackerRank, multiple competitions, developers compete by trying to program by specifications.

Kaggle, a subsidiary of Google LLC organizes Machine Learning Contests.

The programming community around the world has created and maintained several internet-resources dedicated to competitive programming.

They offer standalone contests with or without minor prizes. Also the past archives of problems are a popular resource for training in competitive programming. These include CodeChef, CodeForces, HackerEarth and HackerRank, Top Coder, and much more.