

Home Assignment

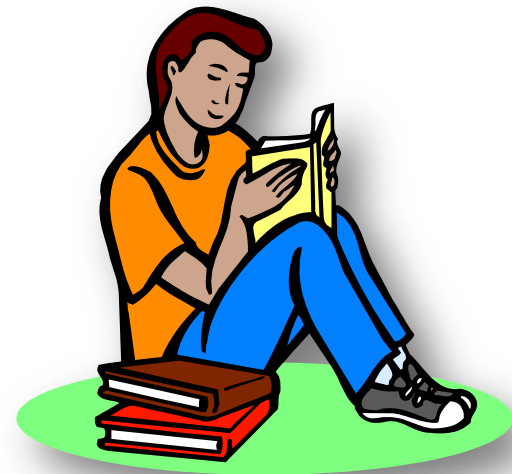
Question:

**What is Computer
Science?**

Class Assignment

Verbal Presentation:

Topic: Ethical/Social/ Legal
Repercussions



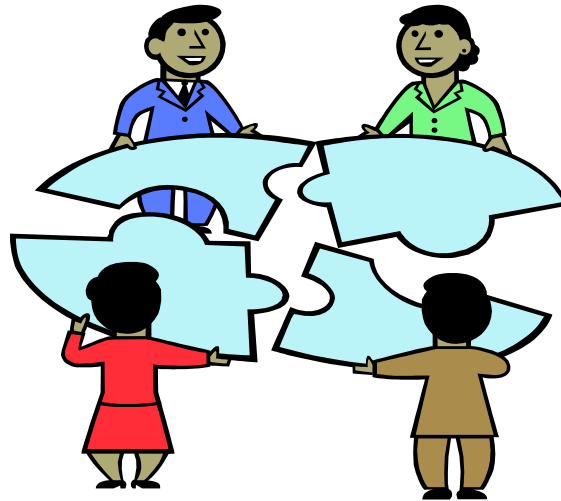
Analytical skill/reasoning

Analytical skill/ reasoning is the ability to visualize, articulate, and solve both complex and uncomplicated problems and concepts and make decisions that are based on available information.

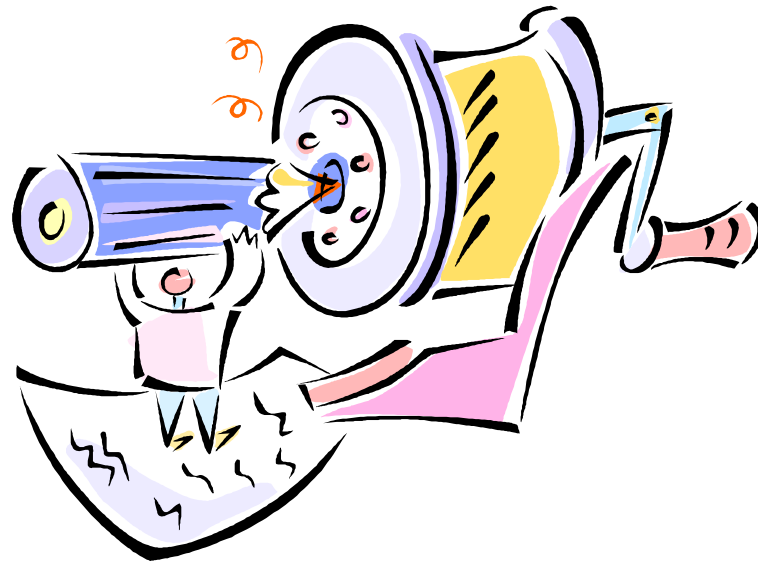


Analytical thought:

Analytical thought is breaking down the pieces of something before reaching a conclusion, and not always the conclusion you expected to reach.



How to Develop Analytical skill?



Daily Routine Example:

Buying TV



To be truly analytical you need to think about all things involved in a situation, take buying something for instance. You want to buy a TV.

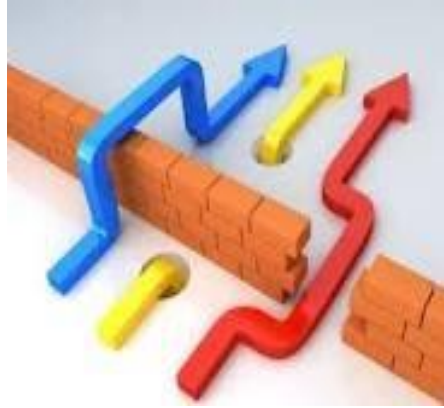
- You analyze the TV itself, is it a good brand, is it a current technology, how does it compare to other current technologies (LED vs LCD for instance) how is the resolution.
- Then you analyze if you have need for it, do you have a place to put it, is it really important? and
- You analyze the financial impact, do you have cash for it, are you using credit, how long will it take to pay it off, things of that nature.
- So you look at all angles of the same situation. To be analytical you have to weigh out your options, think about them before you act, and not act on first impulse about much of anything.



Simple Practice

It depends on what situations you want to apply your analytical skill. **Trial and errors.** One of the easiest ways to practice is following the news. Read any articles of your interest, do some research on that particular event and guess what it going to happen because of that particular event. Compare yours with the "correct" answer the next day. Should you gave the wrong guess, read article that explains why it is so and ask yourself how to improve. Why couldn't you apply your analytical model in this case? Did you make certain false assumptions? Did you miss considering some aspects of the problem? Through the process, you will develop and perfect your own approach to analyze those kind of problems.

Imitating the best. Try to analyze a problem with your friends. Find out how their analytical process work and learn from them.



Analytical skill is a Problem solving skill



Home work

- Two pages assignment

What is the importance of analytical analysis for the student of computer science? Describe at least two standard models related to analytical skill/reasoning? How can you develop this skill in yourself?

- Assignment Reading will be held in the class.
 - Group discussion.
- Deadline: 11/12.11.2015**