



Finding Minimum Of The Given Number

Lesson Plan: Class 06 / ALG / 04



Overall goal of the lesson	Students learn about Algorithm to find the minimum of the given numbers
Prior Knowledge Required	None
Material Required	One copy of worksheet per student Pen/Pencil, eraser. Lesson Presentation
Procedure Summary	<ol style="list-style-type: none"> 1. Go through the presentation. 2. Complete both the activities in the presentation. 3. Give sufficient time to students for thinking and answering questions on the slides. 4. Provide the worksheets, it consists of similar exercises. 5. Let the students solve them and help them with answers.

Procedure Details

Sl No	Slide No	Time	Discussion
1	2-9	10 min	Ask students to identify smallest of the circles. Obviously you will get answer 2. Ask students how they arrived at this answer. It will take some time for them to realize that their brain (super computer) has done some comparisons. Tell them that if you want computer to do the same task, you need to define a set of instructions which computer can execute. For this, we need to decode our thinking process.
2	10	3 min	Ask students to write down the comparisons for identifying smallest circle from the given four circles.
3	11-21	12 min	These slides are self explanatory. Go through them one by one. Stress on the fact every stage, the student on the trolley is the youngest one upto that point.
4	22	2 min	Ask students how many comparisons were made. Answer will be four. Get the general answer by changing number of students from 5 to 10, 15, 100,...etc.
5	23-24	2 min	Ask student what they will do if they want to find out the tallest student. The characteristic can change but procedure remains same. Also talk a little bit about variables in a computer programme.
6	25-30	6 min	Explain the steps of the algorithm. At each step, bring the similarities between steps in the trolley example with the steps of the algorithm to the notice of the students. Explain the need of terminating condition for a computer program.