

## Java Constructs: Mr. Thomas Shouts for Help!

I hope you remember Mr. Thomas ( [Assignment - Mr. Thomas, the School Teacher!](#) ).

He was not satisfied with the application you gave it to him, to calculate the grades of his students.

He wants you to develop the application again, following the below guidelines.

- a) The total marks for each subject is 100.
- b) Implement a check on the marks entered. It should be between 0 and 100.
- c) If the user enters marks greater than 100 or less than 0 then in that case display a message and ask the user to enter the marks once again.
- d) Now calculate the percentage and display the result according to the category in which the user lies.
- e) Now confirm with the user whether he wants to continue calculating or he is done.
- f) This application should continue running until the user chooses to exit.

The subjects whose marks are required:

- Mathematics
- English
- Hindi
- Science
- Social Science

Percentage – Category Chart:

- Below 40 percent - Poor
- 40 – 59 percent - Average
- 60 – 79 percent - Good
- 80 – 89 percent - Very Good
- 90 percent and above - Excellent.