

CLASS TEST – 1

May 19, 2021

This test has three parts, two tasks followed by a question-answer session. The two tasks will have separate submissions.

- 1. This is Part-1. It starts at 2:00 PM. The Moodle submission link for this part closes at 3:30 PM.*
- 2. The task for Part-2 will become available in Moodle at 3:40 PM. It will be a small extension of Part-1, and will have to be submitted separately. The deadline will also be specified in Part-2.*
- 3. Immediately after Part-2 please report to your TA's channel in MS Teams for the question-answer session.*

Part-1 (Time: 90 minutes)

Number-to-English. You are required to express integers using words (as for example you do while writing cheques). For simplicity, you are given that the integers lie between 0 and 999999. Here is an exhaustive list of words that your program should use: zero, one, two, three, four, five, six, seven, eight, nine, ten, eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty, thirty, forty, fifty, sixty, seventy, eighty, ninety, hundred, thousand, lakh. Don't use hundred, when you can use thousand, e.g., use one thousand five hundred instead of fifteen hundred. As an example, for input 213425 your program should print *two lakh thirteen thousand four hundred twenty five*.

Write a C program to read in an integer between 0 and 999999 and print the English equivalent as outlined above. Do not use any function other than `main()`.

[Submission Filename: [\(Your roll number\)LT1P1.c](#)

For example, if your roll number is 20CS30099, then the filename for this task will be [20CS30099LT1P1.c](#)]

Please do not indulge in any form of malpractice. Malpractices will be dealt with as per institute norms, and penalties are typically significant.