

Programming I Lab (C Programming)

Lab Session 07 — Functions

Problems — to be submitted on DOMjudge

General Instructions

- This document contains four problems: Problem A through Problem D. All must be submitted separately on DOMjudge.
- Language: C. Your file must contain a complete program with a main() function that reads from standard input and writes to standard output.
- Your program must NOT print any prompt text. Lines such as printf("Enter a number: "); will cause your submission to be judged Wrong Answer, because the judge compares your output character by character with the expected output.
- Print exactly what the Output section asks for — nothing more, nothing less.
- Your program is run once per test case with one input file on standard input. There is no need to loop over multiple test cases.
- Compilation on the judge is done with warnings enabled; make sure your code compiles cleanly with: gcc solution.c -o solution -Wall
- Several problems in this set describe a required function signature or program structure. The judge can only check your printed output, but these problems are graded on using the described structure — solve them the way each Problem Statement asks, not just in whatever way produces matching output.

Submission Checklist

- Test your program locally with every sample given in the problem before submitting.
- Check the boundary cases explicitly: the smallest and largest allowed values for each problem.
- Remove all debugging printf statements.
- Submit Problem A through Problem D as four separate submissions.

Check the problem in the link below and submit on Domjudge portal:

[C Programming Lab7 ProblemSet DOMjudge.docx](#)

https://iiitbac.sharepoint.com/:w/s/2026-C-Programming/IQCsk-WPbdeVR4deojO2Z_SdARARB5W5h1pWJBNGP4li-Aw?e=yhdzjP