



Problem Set: Assignment 03
Points: 10
Date Set: See slate.
Course: Numerical Computing

Semester: Fall 2022
Due Date: See slate.
Instructor: Nauman

Take note of the assignment due date. Late submissions will be accepted until 48 hours after the deadline with a 2 point penalty. If you have any queries, feel free to post in Slack on the course channel.

1 Tasks

1. Convert the real number 100.875 to IEEE-754 standardized format. Make sure you set the correct number of bits i.e. 32-bits in total. Show all your working in the solution. Please mention the three sections of the final string of bits separately to make it easier to check.
2. For no extra credit, try to write a converter for this using Python code.

2 Submission

1. Submit your assignment to Slate. Assignments submitted through another medium cannot be accepted.
2. **Important:** Make sure you submit a PDF file. No other format will be accepted!