

Here's your Task 2 (**deadline - 13th January, 2025**):

- Review the provided **SPIKE Simulation** video: [Video Link](#)
- Run the simulation and observe the performance under the **-O1** and **-Ofast** compiler optimization flags.
- Write a **simple C program** (any basic application).
- Compile the C program using **RISC-V GCC/SPIKE** with the above optimization options.
- Generate and collect the **RISC-V object dump** for both **-O1** and **-Ofast**.
- **Upload snapshots** of the following to your GitHub repository:
 - The compiled C code.
 - The **RISC-V object dump** for each optimization level (-O1 and -Ofast).

A sample [GitHub document](#) is provided **for reference only**. Please **do not copy/paste** from the sample repository, as your tasks differ from those shown.

All the best