Readme

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Folder Structure:

- Inside the zip file there is a folder named ***Assembler***. It contains files such as: ***main.cpp , FMT.h, Evaluate.cpp ,operation_map.h, operation_map.cpp , ErrorHandling.cpp , ErrorHandling.h , Makefile , input.s ,output.hex , Report.pdf and Readme.pdf*** .
- It also contains a folder name ***Testcases*** it include files such as: ***GenerateTestcases.cpp , testcases.hex, riscv.hex.***

How to run ***riscv_asm***:

- Open Assembler folder mentioned above in the terminal and enter ***make*** command , it creates ***riscv_asm*** executable file . Run this file by using command ***./riscv_asm .*** It stores the output in a file named ***output.hex***.

How to generate automatic test cases:

- If you go to the folder named ***Testcases*** and run ***GenerateTestcases.cpp*** It produces random test cases of different types according to the code written in the main function of ***GenerateTestcases.cpp*** . You can change it according to your need and generate random test cases of different types. And test them with ripes stimulator to verify the correctness of code.