

## CSC 254 - A4

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2. For this project, I also did **basic requirement, single-package** and **tried extra-credit-4**.
3. How to run:

- a. Within the folder “my\_project”, go to “src” directory

- i. Type following commands

```
[bwu18@cycle1 src]$ rustc -g -o myprogram_test main.rs
[bwu18@cycle1 src]$ objdump -d myprogram_test > objdump.txt
[bwu18@cycle1 src]$ llvm-dwarfddump --debug-line myprogram_test > dwarfdump.txt
1. [bwu18@cycle1 src]$ python3 xref.py
```

- ii. Then you will see **a new directory** named “XREF”, which contains **home.html** and **main.html**

1. main.html: contains the assembly and source code

4. Note:

- a. **The executable file** has to be named as **myprogram\_test** in order to work for xref.py
  - b. The extra-credit-4 (highlight syntax functionality) does not work perfectly, but it does highlight some of syntax.
    - i. Red color -> Keyword
    - ii. Green color -> String
    - iii. Gray color -> comment
  - c. Blue color in the assembly -> jump to certain address
    - i. Some link may not work because it is linking to the standard library