

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-dwarfdump --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