

Problem Set 4 Exercise #03: Greeting

Reference: Lecture 10 notes

Learning objectives: Characters; Whitespace issue when reading an integer followed by a character

Estimated completion time: infinite, unless some help is rendered

Problem statement:

Write a program **greeting.c** that reads in *age* and *gender* ('M' or 'F') of a user, prints out information according to the format given in the following table.

Age	Female	Male
< 18	Print "Hey girl"	Print "Hello boy"
≥ 18	Print "Hey Ms."	Print "Hello Mr."

Sample run #1:

```
Your age? 20
Your gender? M
Hello Mr.
```

Sample run #2:

```
Your age? 18
Your gender? F
Hey Ms.
```

Sample run #3:

```
Your age? 16
Your gender? M
Hello boy
```

Sample run #4:

```
Your age? 17
Your gender? F
Hey girl
```

Note:

While the logic of this problem is trivial, you might scratch your head upon the following problem:

After typing in the *age* and press the <ENTER> key, the prompt for *gender* is skipped and thus you won't have a chance to input *gender*. The program directly show “Hey girl” or “Hey Ms.”.

You may search online for solutions or wait for your tutor to discuss it in the tutorial.