

## HW01 Solution:

### 1. Characters in Little Women

- 1- Option 2 (Chapter with 390 periods has the highest character number)
- 2- Option 1 ( $12000/60 > 35000/350 > 41000/440$ )

### 2. Names and Assignment Statements

- 1- Option 2 (4 is not a name. It is already defined as a constant with a fixed meaning)
- 2- Option 4 (different names cannot follow each other with space in between)
- 3- Option 2 (the print function just shows strings, it does not produce any output to be assigned)

### 3. Job Opportunities & Education in Rural India

- 1- Option 1 (check the definition of the treatment and control groups)
- 2- Option 2 (check the definition of randomized controlled experiments)

### 4. Differences Between Universities

- 1-  $\max(\text{abs}(13566 - 13707), \text{abs}(83 - 91), \text{abs}(25 - 31))$

### 5. Studying the Survivors

- 1- Option 1 (option 2 is wrong because Whitehead wanted to work on data of healthy people and it cannot show any other reason of illness. Option 3 is wrong because studying people that are healthy doesn't necessarily lead to a cure for cholera because they are not affected)