Assignment #2 - Question #4

```
Start
enter command and
arguments
```

Is File Found?

— Yes → **Are there 2 arguments?**

— No → **Print "input_file not found"** → Exit Value = 2 Unsuccessful

Are there 2 arguments?

- No → **Print "Usage: nums option input_file"** → Exit Value = 1 Unsuccessful
- Yes → **is $1 = 0**

is $1 = 0

- No → **Is $1 = 1**
- Yes → **Print smallest and 2nd smallest number in input_file**

Is $1 = 1

- No → Print "Option must be 0 or 1" → Exit Status = 3 Unsuccessful
- Yes → **Print the largest and 2nd largest number in input_file.** → Exit Status = 0 Successful

Print the largest and 2nd largest number in input_file. → Exit Status = 0 Successful

Print smallest and 2nd smallest number in input_file → Exit Status = 0 Successful