

Engineering Notebook - Daily

Course: Application Development

Intern Id: 170004

Intern's Name: G. Jawahar

Period: 2018-02-16 to 2018-02-16

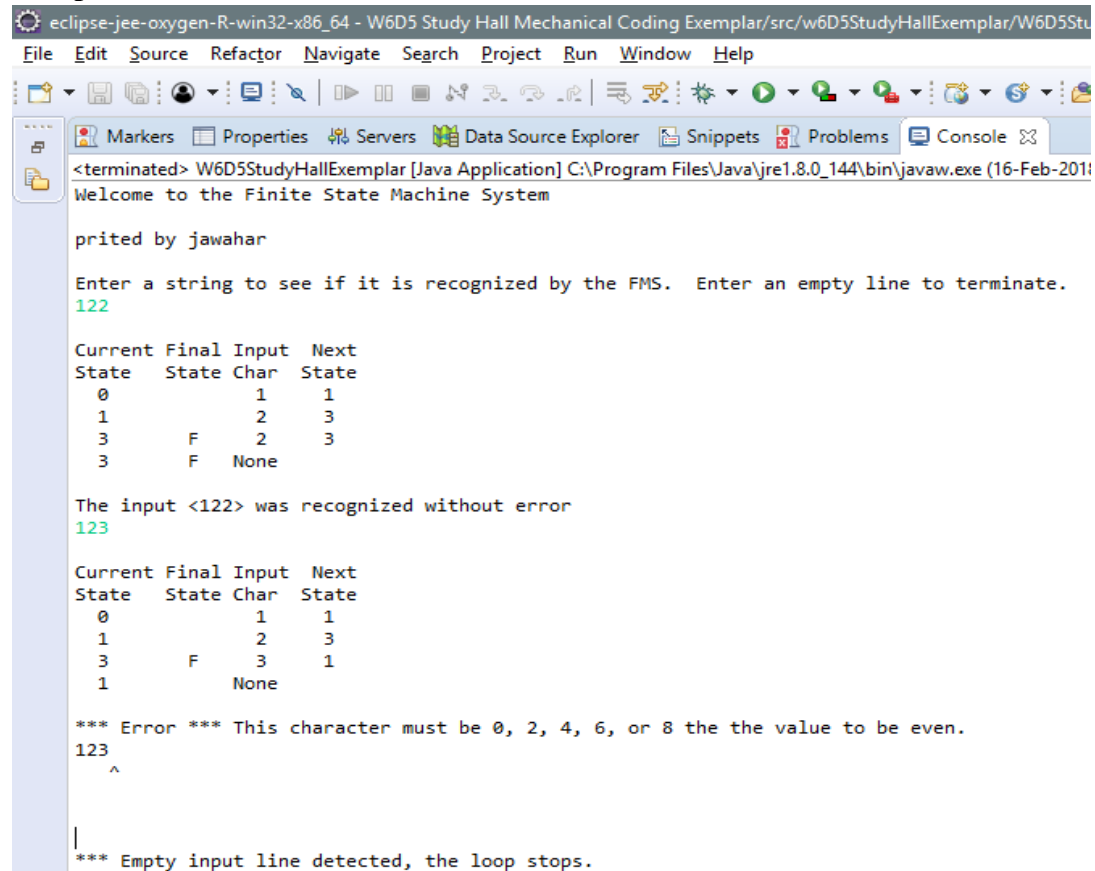
Notes:(Record key insights from readings and discussions.)

Week 6

Friday:

➤ Even number recognizer:

Out put:



```
<terminated> W6D5StudyHallExemplar [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (16-Feb-2018)
Welcome to the Finite State Machine System

prited by jawahar

Enter a string to see if it is recognized by the FMS. Enter an empty line to terminate.
122

Current State Final State Input Char Next State
0 1 1 1
1 2 2 3
3 2 2 3
3 F None

The input <122> was recognized without error
123

Current State Final State Input Char Next State
0 1 1 1
1 2 2 3
3 3 3 1
1 None

*** Error *** This character must be 0, 2, 4, 6, or 8 the the value to be even.
123
^

|
*** Empty input line detected, the loop stops.
```

Reference: <https://github.com/jawaharsd/FSMevennumberrecg.git>

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Test case for even number recognizer:

Sr. No.	Test Case	Check Item	Description	Steps to Execute	Input/Test Data	Expected Result	Results	Comments
1	TC-001	Even Number	To verify it is recognizing even number.	1.Enter an even number 2.press enter.	Any even number (2,4,6,8...)	Recognizes the input	Pass	Recognizing the even numbers
2	TC-002	Odd Number	Verify the operation when an odd number is entered	1.Enter an odd number 2.press enter.	Any odd number (1,3,5,7...)	Do not recognizes the input	Pass	Does not recognizes odd inou.
3	TC-003	Special Character	Verify the operation when a special character is entered.	1.Enter any special character 2.press enter	Any special charater(!, @, #, \$...)	Invalid Input	Pass	Shows invalid when we enter a special character.
4	TC-004	No input	Check the operation when no input is entered	Do not enter any input on the console		The loop should stop	Pass	The loop terminates when we enter null input.

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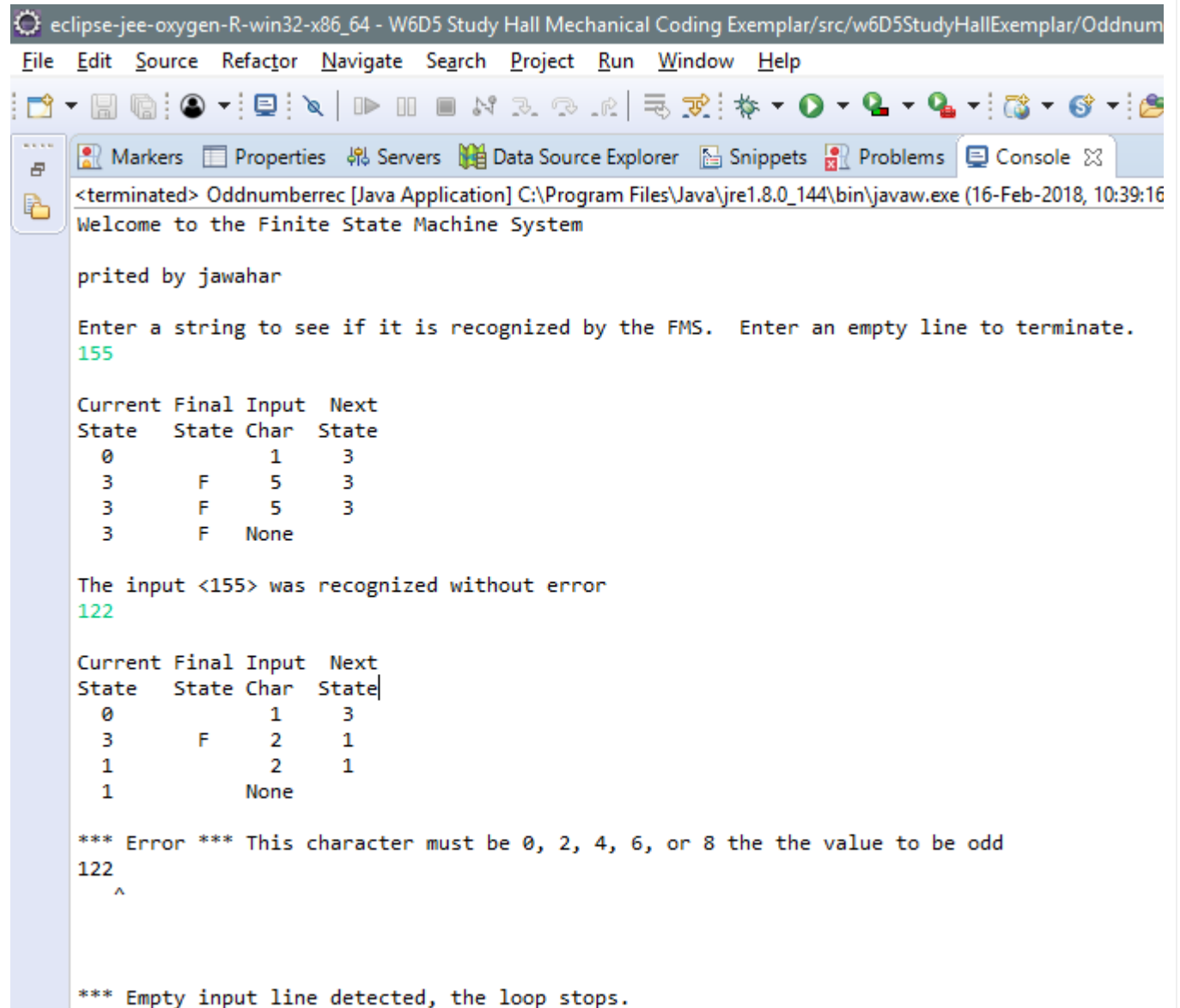
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Notes:(Record key insights from readings and discussions.)

➤ Odd number recognizer

Output:



```
eclipse-jee-oxygen-R-win32-x86_64 - W6D5 Study Hall Mechanical Coding Exemplar/src/w6D5StudyHallExemplar/Oddnum
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Problems Console
<terminated> Oddnumberrec [Java Application] C:\Program Files\Java\jre1.8.0_144\bin\javaw.exe (16-Feb-2018, 10:39:16)
Welcome to the Finite State Machine System

printed by jawahar

Enter a string to see if it is recognized by the FMS. Enter an empty line to terminate.
155

Current Final Input Next
State State Char State
0 1 3
3 F 5 3
3 F 5 3
3 F None

The input <155> was recognized without error
122

Current Final Input Next
State State Char State
0 1 3
3 F 2 1
1 2 1
1 None

*** Error *** This character must be 0, 2, 4, 6, or 8 the the value to be odd
122
^

*** Empty input line detected, the loop stops.
```

Reference: <https://github.com/jawaharsd/FSmoddnumberrecg.git>

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Test cases for odd number recognizer:

Sr. No.	Test Case	Check Item	Description	Steps to Execute	Input/Test Data	Expected Result	Results	Comments
1	TC-001	Odd Number	Verify the operation when an odd number is entered	1.Enter an odd number 2.press enter.	Any odd number (1,3,5,7...)	Recognizes the input	Pass	This will recognize odd number.
2	TC-002	Even Number	To verify it is recognizing even number.	1.Enter an even number 2.press enter.	Any even number (2,4,6,8...)	Do not recognizes the input	Pass	This will not recognize even number.
3	TC-003	Special Character	Verify the operation when a special character is entered.	1.Enter any special character 2.press enter	Any special character(!, @, #, \$...)	Invalid Input	Pass	Shows invalid when we enter a special character.
4	TC-004	No input	Check the operation when no input is entered	Do not enter any input on the console		The loop should stop	Pass	The loop terminates when we enter null input.

Deliverable Status

Deliverables	What did you plan to accomplish	What did you actually accomplish	Size	Effort
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Deliverable Status

Deliverables	What did you plan to accomplish	What did you actually accomplish	Size	Effort
Scientific calculator part-3	To conduct team meeting and discussing the progress of the task. Discussing the problems faced during doing the task.	Conducted team meeting and the problems encountered were discussed.	30%	60 mins