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CS 414

Lisp (Scheme) Program

Entire Program:

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Program1:

CobleLisp.scm - DrRacket

File   Edit   View   Language   Racket   Insert   Scripts   Tabs   Help

CobleLisp.scm ▼   (define ...) ▼

```
1 │ #lang scheme
```

Welcome to DrRacket, version 8.10 [cs].
Language: scheme, with debugging; memory limit: 128 MB.
Program1 (Problems 1 - 6)
Given list: (-8 9 4 5 -3 -1 2)
1. Sum of All: 8
2. Positives: (9 4 5 2)
3. Negatives: (-8 -3 -1)
4. Average: 8/7
5. Average of Positives: 5
6. Average of Negatives: -4

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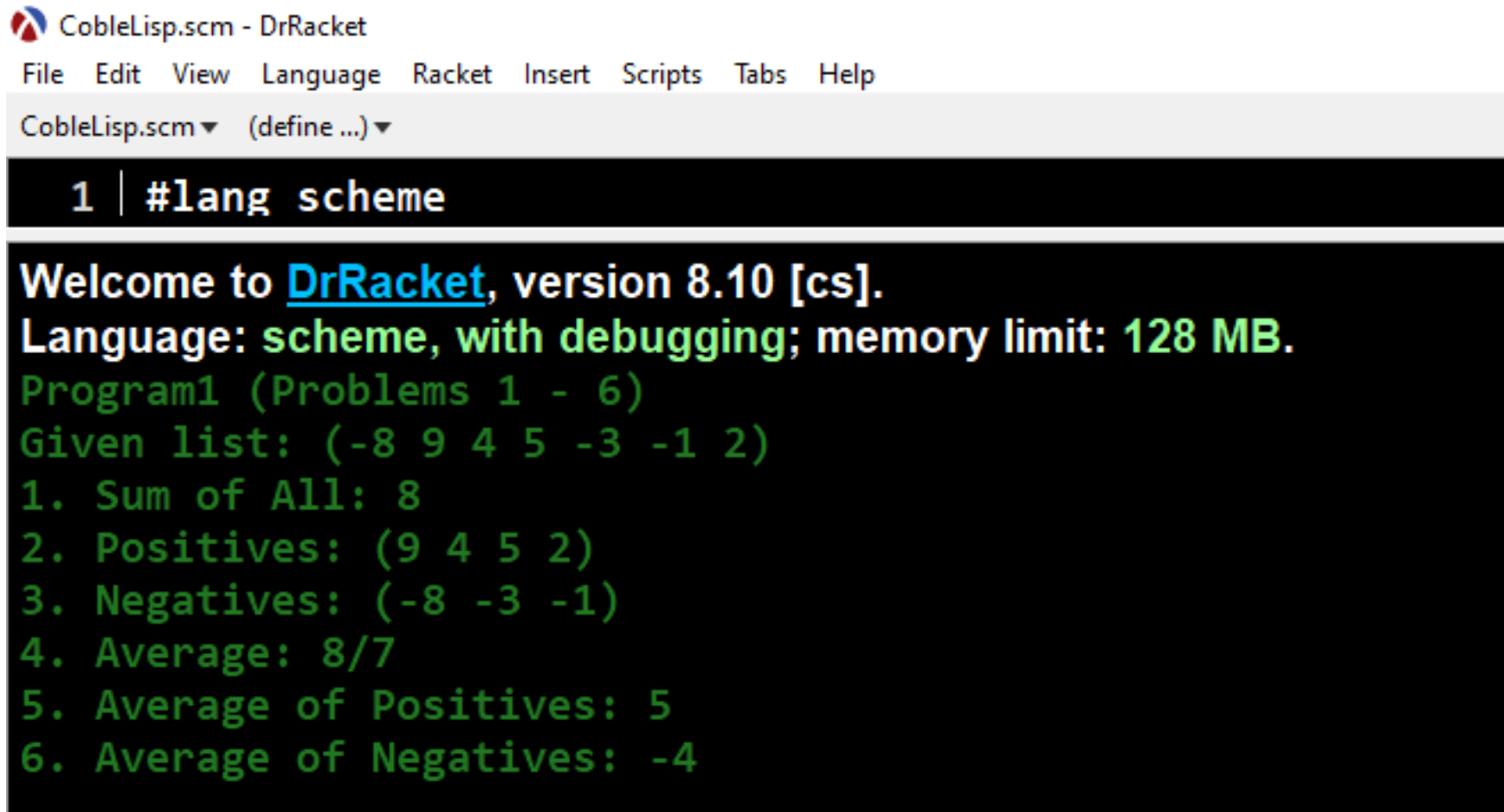hcoble@my.athens.edu
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Program2:

```
Program2 (Problems 7 - 9)
Starting List: (Title Associate_Professor Department MCNS University ATSU Tenure Yes)

7. Get Values of Properties
Tenure? Yes
Title: Associate_Professor
Univiersity: ATSU
Dept = Art: (Title Associate_Professor Department ART University ATSU Tenure Yes)

8. Change Values of Properties
New Title: (Title CLOWN Department MCNS University ATSU Tenure Yes)
Change a property that DNE (no change): (Title Associate_Professor Department MCNS University ATSU Tenure Yes)
Clown in Art Dept: (Title CLOWN Department ART University ATSU Tenure Yes)

9. Adding Properties
Add Salary to Property List: (Salary TWO_MEASLY_CENTS Title Associate_Professor Department MCNS University ATSU Tenure Yes)
>
```

Both programs can be called in the terminal by (Program1) and (Program2) respectively.