Luke Schulz

hw02q1

CSC 240 Assignment #2

<letter> ::= a | b | c | d | e

<LETTER> ::= V | W | X | Y | Z

<number> ::= 0 | 1 | 2 | 3 | 4

<letters> ::= <letter> | <letter> <letters>

<LETTERS> ::= <LETTER> | <LETTER> <LETTERS>

<numbers> ::= <number> | <number> <numbers>

<sequence> ::= <letters> <LETTERS> <numbers> | <LETTERS> <letters> <numbers>

1. CSE200   == INVALID: There's no C, S, E in our VSPL.

2. abcXYZ125   == INVALID: There's no 5 in our VSPL

3. XYZcde340   == VALID : sequence == <LETTERS><letters><numbers>

4. VWXa14   == VALID : LETTERS-letter/s-numbers

5. edc135790V   ==INVALID : no 5 , 7 ,8 , V allowed

6. dYaZeWkZ   == INVALID : two many changes in capitalization for sequence

7. Zbad01   ==VALID : <LETTERS><letters><numbers>

8. aZ20   == VALID : <letters><LETTERS><numbers>

9. XYZabc22   == VALID : <LETTERS><letters><numbers>

10. Ey542   == INVALID : No capitol E's allowed