CS 301- Lecture 11 Oct 11, 2018 Lists 2 CSVs. Lists Creation

for loop

for loop

for litem in 1:

print (item)

len (1) $\Rightarrow 5$ iter # item

2 21

2 21

4 2

5 3

Differences strings vs lists * lists are mutable. * lists can store data of any type. How to mutate a list? l = [2,1,3]1) Update an element in a list. $\lambda \begin{bmatrix} 1 \end{bmatrix} = 10$. 2) Add an element to a list l. append (new-value) adds to the end of the list. 3) Remove an element l. pop (index) l.pop() => remove the last element in the list A) Sorting a list (3)

1. sort ()

Ilp: List of numbers $\begin{bmatrix} 3, 1, 7, 4, 2 \end{bmatrix}$ olp: median of the list of numbers $\begin{bmatrix} 1, 2, 3, 4, 7 \end{bmatrix}$ widelin = 5/2 = 2

I[P: [3,1,7,4,2,6]] 0|p: [3,4,6,7] 1,2,[3,4,6,7] len = 6

6/2 2 3

