

CSE 12 – Basic Data Structures and Object-Oriented Design

Lecture 17

Greg Miranda, Fall 2020

Announcements

- Quiz 17 due Monday @ 9am
- Survey 6 due tonight @ 11:59pm
- PA6 due Wednesday @ 11:59pm
- Game/Movie Night Social tonight @ 7pm
- Degree Planning EC due tonight @11:59pm
- Exam 2
 - Released Tuesday 11/24 @ 6pm
 - Due Wednesday 11/25 @ 11:59pm
 - More details coming next week on Piazza

Topics

- Linear Probing
- Questions on Lecture 17?

Hash Table – draw the pictures (Linear Probing)

```
int getIndex(String k) {  
    return k.length();  
}
```

of buckets – 4

(i.e. the size of the array)

expandCapacity() called in set()

LoadFactor – .67

```
set("Smith", 1);  
set("Johnson", 2);  
set("Williams", 3);  
set("Brown", 4);  
set("Jones", 5);  
set("Garcia", 6);  
set("Miller", 7);  
set("Davis", 8);  
set("Rodriguez", 9);  
set("Martinez", 10);
```

Questions on Lecture 17?