Object .....

1.1 - $\log_2(128) = 7$

1.2 - $\log_2(256) = 8$

1.3 - o log(n)

1.4 - o(n)

1.5 - o(n)

1.6 - o(n)

2.1 - linkid list Becuse lots of inserts and a few reads.

2.2 - Linkid list, Becuse the chefs always take the firt order off of the queue. This is called sequential access.

2.3 - array: Becuse give You random access.

2.4 - array allow slow inserts and delete, if you're using binary search to search for username, the array needs to be stored.

2.5 - , Inserting → faster than astored array.
→ comparable to a Linked list.

, searching → faster than unstored array and linked list.
→ slower than stored array. (using binary search)

3.1 - Your computer allocates a box of memorey for that function call and use the memorey. The variable name is set to "maggie". The greet function is called first, and calls the greet2 function, with name = maggie.
The greet is an incomplete.
The current function call is greet2 function.
After this function call completes, the greet function will resume.