

632090

What is the value of j after this code is executed?

```
int i = 6, j = 10;  
j += i;
```

- a. 4
- b. 6
- c. 10
- \*d. 16**
- e. Undefined
- f. "
- g. "
- h. "
- i. "
- j. "

General Feedback:

The value of variable i (6) is added to that of variable j (10) resulting in 16 as the new value of j

635019

Suppose q is an instance of a queue that can store Strings, and I execute the following statements starting with q empty:

```
1. q.enqueue("Sweden");  
2. q.enqueue("is");  
3. q.enqueue("my");  
4. String w = q.dequeue();  
5. String x = q.peek();  
6. q.enqueue("neighbor");  
7. String y = q.dequeue();  
8. String z = q.dequeue();
```

What is the value of z after executing these expressions in order?

- a. "Sweden"
- b. "is"
- \*c. "my"**
- d. "neighbor"
- e. None of the above
- f. "
- g. "
- h. "
- i. "
- j. "

General Feedback:

If we consider the contents of the queue after each expression (listing contents from head to tail), we have

1. ["Sweden"]
2. ["Sweden" "is"]
3. ["Sweden" "is" "my"]
4. ["is" "my"] (and w gets set to "Sweden")
5. ["is" "my"] (and x gets set to "is")
6. ["is" "my" "neighbor"]
7. ["my" "neighbor"] (and y gets set to "is")
8. [ "neighbor"] (and z gets set to "my")

634151

Which of the following parts of a process' memory is the largest?

- a. The code area
- b. The globals area
- \*c. The heap
- d. The stack
- e.
- f. "
- g. "
- h. "
- i. "

General Feedback:

Heap is the largest.