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Question

1 pts

A function which increments a global variable count by 500 times is launched in 3 threads. main() function waits for them to finish and then prints value of count. Which of these cannot be value of count


Answer

☐ 401

☐ 673

☐ 812

☐ 987



Question

1 pts

A function by the name of addition was launched on a thread. it was adding 2 numbers 5 and 10. After addition, exit function was called inside the thread. main() function was waiting for the thread to finish and after finishing, main function increments value received from thread by 13. Then print function is called to print the value on screen. What will be printed on screen.

Answer

☐ Nothing

☐ 15

☐ 28

☐ 0



Question

1 pts

The first line of free() is:

Answer

☐ header_t* hptr = (void *) ptr - sizeof(header_t)

☐ void* hptr = (header_t *) ptr - sizeof(header_t)

☐ header_t* hptr = sizeof(header_t) - (void *) ptr

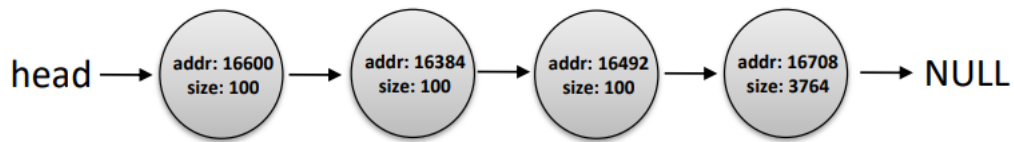
☐ void* hptr = sizeof(header_t) - (header_t*) ptr



Question

1 pts

After coalescing, the largest block will be of what size?



Answer

- ☐ 4088
- ☐ 4064
- ☐ 3964
- ☐ 3980

Question

1 pts



For this free list, a request for 15 bytes arrives:



Upon doing best fit allocation, what is the new state of this free list?

Answer

- ☐ 10 -> 30 -> 5
- ☐ 10 -> 15 -> 20
- ☐ 5 -> 15 -> 20
- ☐ 10 -> 15 -> 5

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