Parallelle beregninger - TDT4200 - Problem Set 0

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1. **What happens if you dereference a pointer to an address that you do not own?**
   When the program tries to dereference the pointer it will try to access and read the contents on the memory address stored as the value of the pointer. If we do not own this memory location the operating system will stop the program and we will get a segmentation fault.

2. **What are the values of array *A* after this line if you were to print the elements?**
   int* A = (int*)malloc(32*sizeof(int));
   The values would be totally random. We are only allocating the memory region, not changing it. The spesific region of memory could have been owned by some other program or been allocated to an earlier value which since has been freed. We could "clean" the values by setting them all to zero with the *memset*- or *calloc*-function.