## Friday questions week 2

1. Consider an array int a[10] and a pointer int\* p. After the statement:

p = &a[2];

What does p + 2 mean? page 59, 63, 72

2. Continued from previous question: what does p[2] mean?

page 59, 63, 72

- 3. If we also have int\* q = &a[5], what does q p mean?
  page 63
- 4. How can you allocate memory for a matrix of double elements when the number of rows and columns is unknown at compile-time and you wish to be able to use e.g. a[i][j] notation?

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5. Continued from previous question: if you want to perform only one call to malloc/calloc, how can you then solve the problem?

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- 6. Which potential risks are there with using realloc? page 519
- 7. A macro can have parameters. Why is it a bad idea to define a macro square as:

square(a) a\*a

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