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* file: what-if.pdf
*
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*
* Description: This file contains solutions of exercises to what if questions.
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1. (c)

Varible is not initialized, which produces just a warning. Cast of char value to an int is not a fatal problem either, only produces warning. However, scanf needs a pointer, so it treats x as a pointer which fails. Correctly it should be (4. line) scanf("%c", &x); or even better to avoid faulty conversion scanf("%i", &x);

2. (c)

As opposed to leaving the array empty, which may not gurantee making it full of zeros (there will be some random values), defining only first few values makes the rest of the unitinalized array be zeros.

3. (d)

The function gets a pointer, derefereces it and assigns it a new value, therefore the new value of x will be 20.

4. (b)

The array newArray only exist within the scope of the function int *getEmptyArray(int size); therefore pointer which we are trying to return exists only locally (within the function) and not globally, so it becomes invalid after the return.