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puppy * plantANew(puppy & orig) {

puppy f1; puppy * f2; f2 = plantANew(f1);

E. Nothing is printed to the screen.

int main() {

return 0;

puppy * seedling = new puppy(orig);
return seedling;

{{{questionNumber}}}. Consider this simple code, and assume the puppy class has default and copy constructors defined:

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{{{questionNumber}}}}. Which of the following is true about arrays in C+++?
    A. If a is an array, you can use the following function: a.length().
    B. There are no differences between static and dynamic arrays except that dynamic arrays do not use a stack variable.
       [Correct Answer] [Your Answer] None of the other answers are true.
    D. Arrays can only be made on the stack.
    E. If a and b are dynamically allocated arrays of the same size, then *a = *b copies the elements of array b into array a.
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How many times is the puppy copy constructor called in the example above?
    A. [Correct Answer] One time.
    B. Never, because this code has a compiler error.
       [Your Answer] Twice.
    D. Never, but the code executes with no errors.
    E. Three times.
{{{questionNumber}}}. Consider the following code:
    #include <iostream>
    using namespace std;
    void myfunc(int y, int *x) {
        y = y+1;
        cout << *x << endl;
        y = y+1;
        *x = y;
    int main() {
        int z = 6
        int *x = &z;
        myfunc(z, x);
        myfunc(z+1, x);
        return 1;
What is the result of compiling and running this code?
    A. The numbers 6 and 9 are printed to the screen.
    B. [Your Answer] The numbers 7 and 10 are printed to the screen.
       This code has a compilation error.
    D. [Correct Answer] The numbers 6 and 8 are printed to the screen.
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{{{questionNumber}}}. Consider this simple function definition.
    int & ugly(int x) {
        return x;
Which of the following statements is true?
    A. [Your Answer] This function is not ugly at all, despite its name.
    B. This function is ugly because there is a type mismatch between the return value and the return type.
    C. [Correct Answer] This function is ugly because it returns a value parameter by reference.
    D. This function is ugly because the parameter is not int const x.
    E. This function is ugly because the value of x cannot be changed.
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