2022/5/14 11:43 c++ - Pointer expressions: *ptr++, *++ptr and ++*ptr - Stack Overflow

But my expectation was that it would print stillally. One find request — Please give one examples for hore each expression works in a given code unipper. As most of the time only a more partnership to thesely gets flown over my head. As most of the time only a more pure years.

See Earlies and Earli To Childrenhor Franchisch for London of pour terrorisements by this lives a principantees, (MMF (a) principal to a side territorial ording of unique data. Then been a fine country of the side of the country of the co | 1 | Section | adone of the [60] (\$1000).

Then you sit up a loop:

siting year of up a loop:

What does the loop condition (lyes) mean? Three things are at work here that make this pushing at least until familiarily sets (e).

1. The prevailment of this two operations, posted (e); end indirection (e)

2. The value of a posted increment expression

3. The value of a posted increment expression

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4. Threadman, and of all order on the procedure safelile for operation will be if you that posted increment has a higher prevailment (fill than the Presidence. A quick glaces at the precidence table for operators will self you that possible increment that a higher precidence (16) than developence of infection (10). The research at the complex expression ((pg.)) gripping to be grouped as: ((pg.)). That is to up the () part will be applied to the value of the () part of the complex expression ((pg.)) and ((pg.)). That is to up the () part of the applied to the value of the () part of the ().
 Preside expression value. The value of (pg.) is the value of (); defire the increment if you have int i = 7;
print((TMT(**, i+*));
print((TMT(**, i)); So now the g_{ij} part of g_{jk} : has been evaluated; it's the current value of g_i . Then the g_i part happens. **(current value of g_i) means: access the value at the address held by g_i . We know that the value at that address is g_i ? So the expression g_{ij} ; evaluates to g_i ? Now held on a minute, you've suping a figure evolution to [Sec. shy desert that [Sec print in the above code! That's where side effects come in.

1. Peaffix expression table effects. The pooffix [Sec has been above to the come to personal, that it has the side effect of incrementing that operand. It has been about that [Sec code applied.] Take a book of that light goods region (see 1 to 2) print ("Take"), to 1) print ("Take"), to 1) print ("Take"), to 1)

An oraid analism, the couplant will be: When jight invaluated in the first juight(), it evaluates to 7.8 of the C standard guarations that at some point before the exceed juight() beginn executing the side digit of the 50 grounds will have been been been been been been exceeded as a round of the 2 grounds will be 50 grounds will have been incommented as a round of the 2 grounds in the first juight have been incommented as a round of the 2 grounds in the first juight have been incommented as the proof of the other properties of the first point of the first juight will be provided by the first point of the first point of the first juight will be a first point of the first point of the first point juight effect that concurred juight have incommented without it no longer point to [50], but to one character past [50] to the [50] in other words. That explaint your conclose first output.

**Issue the character of helpful (and account) groupedown in the other answers to print the featured Provinciation [50], and not in condary constraint, you need comerting the Hence the choice of height indeed accorded cognition on the other assesses to print the financial Pronounciation (Segling), and not do contavy concepting, yet and millioning the print of the contavity concepting the print of the contavity concepting the print of the contavity contavity of the print of the contavity contavity contavity of the contavity co what matters is not proceedings the two operation are identical or procedence. So associately table in The profits increment and the indirections of the contract of the contract of the indirections of the contract of the indirections of the contract is the fact, \$5' in order words, the expensions by project (\$100,000)\$; \$5', as with \$50,000\$; the fact of defined research, been ton the \$2,900 and the fact of the irt i = 7;
protef ("brye", ++i);
protef ("brye", 1); The output will be

s

s

different from what we saw with the possils operator Similarly. If you have: ther y = "mills";

print ("Lt ", "y)] // note space in format string

print ("Lt ", "yn)] // value of *** is y after the increment

print ("Lt ", "yn*)] // value of yn is y before the increment

print ("Lt ", "yn*)] // value of yn is the increment an a thin effect of print ("Lt ", "yn)] // value of yn is the increment an a thin effect of print ("Lt ", "yn)] // value of yn is the increment an a thin effect of print ("Lt ", "yn)] // value of yn is the increment as a thin effect of print ("Lt ", "yn)] // value of yn is the increment of a thin effect of print ("Lt ", "yn)] // value of yn is the increment of a thin effect of print ("Lt ", "yn)] // value of yn is the increment of a thin effect of print ("Lt ", "yn)] // value of yn is the increment of a thin effect of print ("Lt ", "yn)] // value of yn is the increment of a thin effect of print ("Lt ", "yn)] // value of yn is the increment of a thin effect of print ("Lt ", "yn)] // value of yn is the increment of the increment of thin effect of the increment of the in On you see why?

One you see why?

How we get to the devid expression you asked allows. \$150000, That's the trickness of the lot, actually death operations have the same percentance, and opin the association. This means the expression will be grouped \$25(5000), The 100 per will be expliced to the value of the 1000 part.

One of we have

and \$11, which is a fine of the 1000 part of the 1000 part of the 1000 part.

One of the low of the 1000 part ** Whith Clay so the 100 part is gring to endurate to 100. There the 100 connection play at which point, it is gring to be applied to the 100 cont to the gainter or all White Represe values proved to 100 (EV) to get 1 plan to ACCI value of 100. EV page of 2.0 Represent that is a Side; and you get the 600 content of the 100 content to What's going on' Again, it's a matter of precedence, expression value, and side effects. Because of the parentheses, the [5] part in treated as a primary expression. Fremary expressions to tempo exceptings that they get evaluated first. And [5], as you brook, evaluates to [56]. The rest of the expression, the sign part is applied to that value face. In this case, [55] becomes given. so part, appears to make all miles of the case, (1996 inclosed) one discouldnot of value vs. side effect with possits increment. Remember, (Miles what is not washed of (Miles III) and (Miles worm (glicell) print the (glicell) day has been put change geneting.
All right, but in the with two cases, why do I read
as et al. 1. "which"
there is a compared to the compa Brown Statistics in a string these if you by 1995, justine typing to change the 1961 in the string to 1961 making the shade unity SSBEC in C. string these and and offer dimensional translation and the string SSBEC in C. string these and the string SSBEC in C. string these and the first yet considerance.

Conversity, you want to be string the string t Why not? Because in this instance, [ii] is an array, An array is not a modifiable I-value; you can't change where [ii] points by pre- or post-increment or decrement, because the name of the array works as though it's a constant pointer, (That's not what it actually it; that's just a convenient way to look at To sum up, here are the three things you asked about: *pgr++ // effectively dereferences the painter, then increments the painter
**pgr // effectively increments the painter, then dereferences the painter
***ptr // effectively dereferences the painter, then increments dereferenced value And here's a fourth, every bit as much fun as the other three:

(*ptr]ee // effectively forces a dereference, then increments dereferenced value. Sequence of the protection of the control of the co // ++*ptr//value changed(pre increment), abbress remains un-changed
// (*ptr)+://walue changed(pre increment), abbress remains un-changed
// ++(*ptr)://walue changed(post increment), abbress remains un-changed The class of the type of the control of the control

https://stackoverflow.com/questions/18481740/pointer-expressions-ptr-ptr-and-ptr