



<b>Branch/Semester</b>	B.Tech CSE (AI & ML) / Semester I
<b>Subject Name:</b>	Computer Programming
<b>Subject Code:</b>	01CE2101
<b>Assignment:</b>	Practice Questions (Increment & Decrement Operator)
<b>Date:</b>	8 <sup>th</sup> August 2025
<b>Faculty Name:</b>	Prof. Abhishek Chauhan

**Rules for Attempting the Questions:**

- Find the output of each given C program.
- Do not use any compiler to write, run, or check the code.
- Do a manual dry run of the program on paper to determine the result.
- Use a notebook and pen to show your step-by-step working.

Sr.	Question	CO	BL
1	<pre>#include &lt;stdio.h&gt; int main() {     int a = 5;     printf("%d\n", a++ + ++a);     return 0; }</pre>	CO2	BL3
2	<pre>#include &lt;stdio.h&gt; int main() {     int a = 3, b;     b = a++ + a++ + ++a;     printf("%d %d\n", a, b);     return 0; }</pre>	CO2	BL4

3	<pre> #include &lt;stdio.h&gt; int main() {     int x = 10;     printf("%d\n", x++ - --x + ++x - x--);     return 0; } </pre>	CO2	BL4
4	<pre> #include &lt;stdio.h&gt; int main() {     int i = 1;     i = i++ + ++i * i++;     printf("%d\n", i);     return 0; } </pre>	CO2	BL4
5	<pre> #include &lt;stdio.h&gt; int main() {     int a = 2, b = 4;     a = a++ + ++b + b++ + --a;     printf("%d %d\n", a, b);     return 0; } </pre>	CO2	BL4
6	<pre> #include &lt;stdio.h&gt; int main() {     int a = 1, b = 2, c;     c = ++a &amp;&amp; b++    a--;     printf("%d %d %d\n", a, b, c);     return 0; } </pre>	CO2	BL4
7	<pre> #include &lt;stdio.h&gt; int main() {     int x = 5;     printf("%d %d\n", x++, ++x);     return 0; } </pre>	CO2	BL3

8	<pre> #include &lt;stdio.h&gt; int main() {     int i = 7;     printf("%d\n", i++ * ++i);     return 0; } </pre>	CO2	BL3
9	<pre> #include &lt;stdio.h&gt; int main() {     int a = 3;     printf("%d\n", a++ + a++ + a++);     return 0; } </pre>	CO2	BL4
10	<pre> #include &lt;stdio.h&gt; int main() {     int a = 1;     printf("%d\n", ++a + ++a + ++a);     return 0; } </pre>	CO2	BL3
11	<pre> #include &lt;stdio.h&gt; int main() {     int x = 4, y = 6;     int z = x++ + y-- - --x + ++y;     printf("%d %d %d\n", x, y, z);     return 0; } </pre>	CO2	BL3
12	<pre> #include &lt;stdio.h&gt; int main() {     int a = 10, b = 5;     printf("%d\n", a++ - --b + ++a - b--);     return 0; } </pre>	CO2	BL4

13	<pre> #include &lt;stdio.h&gt; int main() {     int a = 5;     a = a++ - ++a + a-- - --a;     printf("%d\n", a);     return 0; } </pre>	CO2	BL5
14	<pre> #include &lt;stdio.h&gt; int main() {     int i = 2, j = 3;     int k = i++ + ++j + j-- + --i;     printf("%d %d %d\n", i, j, k);     return 0; } </pre>	CO2	BL5
15	<pre> #include &lt;stdio.h&gt; int main() {     int x = 0;     if (++x &amp;&amp; x++ &amp;&amp; ++x) {         printf("%d\n", x);     } else {         printf("%d\n", x);     }     return 0; } </pre>	CO2	BL4