
 Day 3/180

Lec-3 Introduction to C++

Sheet Questions

1))

Cont $\ll 8 * 5 \ll$ and, $\xrightarrow{\text{O/P}} 40$

$\ll 2 * (-4) \ll$ and $\xrightarrow{\text{O/P}} -8$

$\ll -7 * (-5) \ll$ and, $\xrightarrow{\text{O/P}} 35$

2)) int a = 5, b = 7;

Cont $\ll a - b$; $\xrightarrow{\text{O/P}} -2$

3)) Cont $\ll "6 * 3"$; $\xrightarrow{\text{O/P}} 6 * 3$

4)) 3: in 4 bits \longrightarrow

	2^3	2^2	2^1	2^0
	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>

-6: in 4 bits \longrightarrow

6 \rightarrow	0	1	1	0
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1's \rightarrow	1	0	0	1
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2's \rightarrow			+	1
	1	0	1	0

$\longrightarrow -6$ in 4 bits

5) 13: in 5 bits \longrightarrow

	2^4	2^3	2^2	2^1	2^0
	<u>0</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>1</u>

-16: in 5 bits \longrightarrow

16 \rightarrow	1	0	0	0	0
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1's \rightarrow	0	1	1	1	1
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2's \rightarrow				+	1
	1	0	0	0	0

$\longrightarrow -16$ in 5 bits