Write a program that:

- That reads 1000 integers and print them reversed!
- That reads 1000 integers and find pairs of numbers with sum 12345?
- We can define 1000 variables! But this is a crazy idea!
- Programming languages introduce datatype array of size K
 - K variables defined in the memory (consecutively)
 - They all of **same data** type
- So now we create an array of size 1000
 - Then print them reversed!
 - That is all

Declare an array

1 2	<pre>#include<iostream> using namespace std;</iostream></pre>
3	<pre>int main() {</pre>
5	const int size = 5;
6	const fire size = 5,
7	<pre>// Declare 5 positions of type integer</pre>
8	<pre>int numbers[size] = {10, 2, 7, 5, 3};</pre>
9	
0	
1	numbers[0] = 9;
2	<pre>numbers[2] *= 3;</pre>
3	<pre>numbers[4]++;</pre>
4	and compare [4].
5	cout< <numbers[4];< td=""></numbers[4];<>
7	return 0;
8	}
9	
0	
	(+(
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	ninated> ztemp [C/C++ Application] /home/moustafa,

• Line 8 declare the array

Index	0	1	2	3	4
numbers	10	2	7	5	3

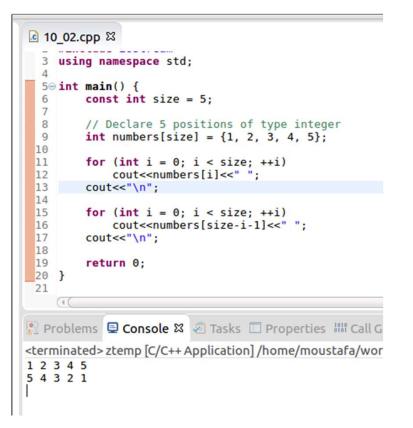
• Line 11 changes first number to 9

Index	0	1	2	3	4
numbers	9	2	7	5	3

• Line 12 and 13 also do changes

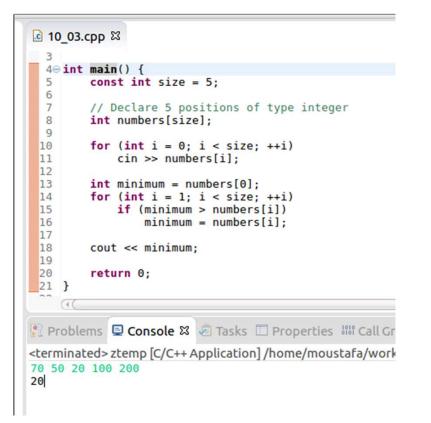
Index	0	1	2	3	4
numbers	9	2	21	5	4

Printing array forward and backward



- Remember last element position is size-1
- Trace the backward
 - Index 4
 - Index 3
 - Index 2
 - Index 1
 - Index 0

Read 5 numbers in array - find minimum



- Remember: Deal with each cell as a variable
 - read/write/assign