



## Literals

<u>Literals are data used for representing fixed values</u>. They can be used directly in the code.

For example: 5, 3.5, 'b', "Mohammed", ..etc.

Here, 5, 3.5, 'b', "Mohammed" are literals. Why?





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Here, 5, 3.5, 'b', "Mohammed" are literals. Why?

You cannot assign different values to these terms.





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ABA, PMOC, PEMPR, PMPR, PMFRMPR, CM, 17117, MCPD, MCS



# Literal Types:



- 1. Integer Literals:
  - 1. decimal (base 10)
  - 2. octal (base 8)
  - 3. hexadecimal (base 16)

Decimal: 0, -9, 22 etc Octal: 021, 077, 033 etc

Hexadecimal: 0x7f, 0x2a, 0x521 etc

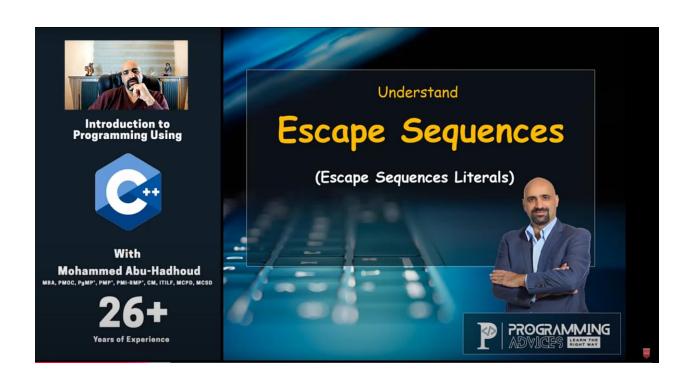
In C++ programming,  $\frac{1}{1}$  starts with a  $\frac{1}{1}$ , and hexadecimal starts with a  $\frac{1}{1}$ x.

- 2. Floating-Point Literals: 13.5, 1.99, -8.07
- 3. Characters Literals: A, b, z, \$, #
- 4. Escape Sequences Literals: \n , it will be explained next .

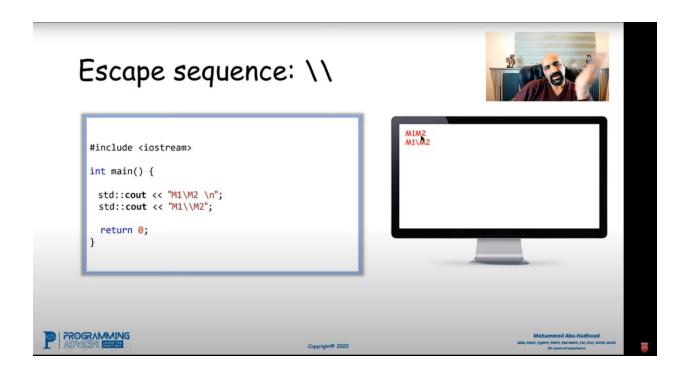


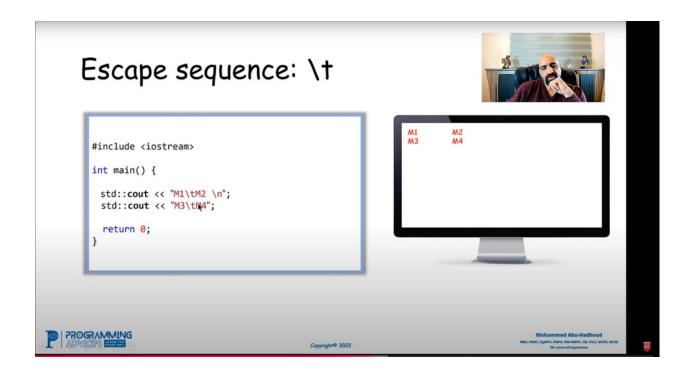
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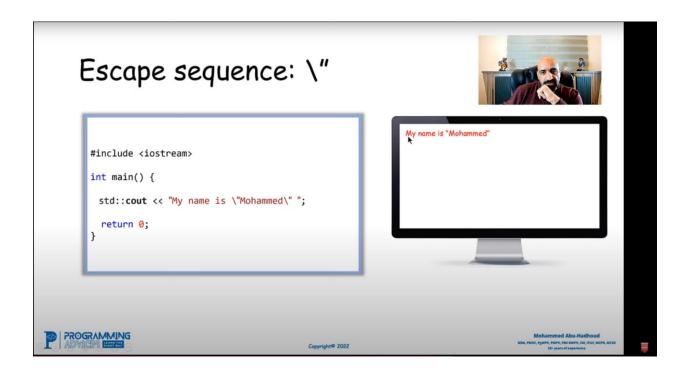
MRA, PMOC, PEMPR, PMPR, PMPR, CM, ITRE, MCPO, MCS

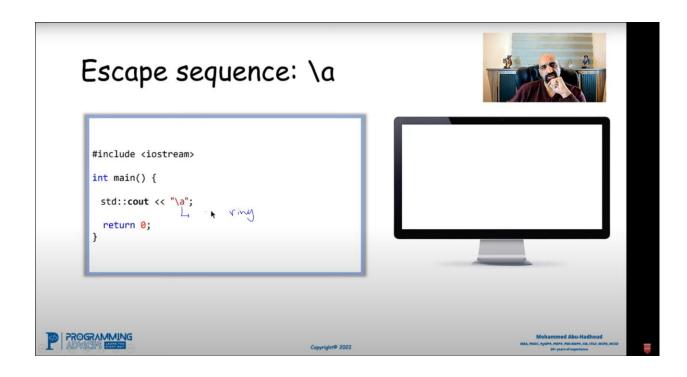


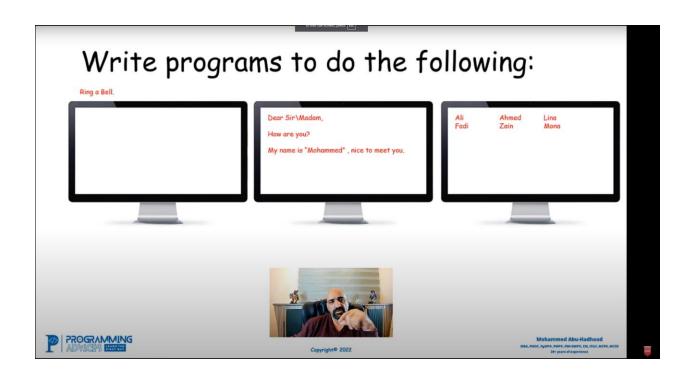
#### Some Escape Sequences Meaning Escape Sequence 11 Backslash Tab \† Newline \n \" Double quote 1, Single quote Audio bell **\**a PROGRAMMING











# Answer the following questions:

What is literal?

Can you assign different values to a literal?

What are literal types?

Why do we need escape sequence literals?





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