

# Lecture Slides

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<sup>2</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/010\\_general\\_concepts/Programming-Intro.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/010_general_concepts/Programming-Intro.pdf)

<sup>3</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/020\\_first\\_program/C%23-Intro-WriteLine.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/020_first_program/C%23-Intro-WriteLine.pptx)

<sup>4</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/020\\_first\\_program/C%23-Intro-WriteLine.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/020_first_program/C%23-Intro-WriteLine.pdf)

<sup>5</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030\\_datatypes\\_and\\_variables/Datatypes-Variables.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables.pptx)

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- <sup>39</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/140\\_arrays/Arrays.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/140_arrays/Arrays.pptx)
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