

# Lecture Slides

<https://csci-1301.github.io/about#authors>

March 20, 2022 (12:57:31 PM)

## Contents

Book Topic	Corresponding Slides
Introduction to Computers and Programming	pptx <sup>1</sup> , pdf <sup>2</sup>
Introduction to the C# Language	pptx <sup>3</sup> , pdf <sup>4</sup>
Datatype Basics	pptx <sup>5</sup> , pdf <sup>6</sup>
Datatype Details	pptx <sup>7</sup> , pdf <sup>8</sup>
Operators and Conversions	pptx <sup>9</sup> , pdf <sup>10</sup>
Arithmetic on Mixed Datatypes	pptx <sup>11</sup> , pdf <sup>12</sup>
Reading Input, Displaying Output, and Concatenation	pptx <sup>13</sup> , pdf <sup>14</sup>
Class and Object Basics	pptx <sup>15</sup> , pdf <sup>16</sup>
UML Diagrams and Method Call Details	pptx <sup>17</sup> , pdf <sup>18</sup>
Variable Scope and Reference Type Details	pptx <sup>19</sup> , pdf <sup>20</sup>
Constructors & ToString	pptx <sup>21</sup> , pdf <sup>22</sup>
Overloading & Properties	pptx <sup>23</sup> , pdf <sup>24</sup>
Decisions and Decision Structures	pptx <sup>25</sup> , pdf <sup>26</sup>
if, if-else and if-else-if Statements	pptx <sup>27</sup> , pdf <sup>28</sup>
Switch Statements and the Conditional Operator	pptx <sup>29</sup> , pdf <sup>30</sup>
While loop and Increment Operators	pptx <sup>31</sup> , pdf <sup>32</sup>
Do-while and Loop Vocabulary	pptx <sup>33</sup> , pdf <sup>34</sup>
Combining If Statements and Classes	pptx <sup>35</sup> , pdf <sup>36</sup>
Combining While Loops and Classes	pptx <sup>37</sup> , pdf <sup>38</sup>
Arrays	pptx <sup>39</sup> , pdf <sup>40</sup>
For loops	pptx <sup>41</sup> , pdf <sup>42</sup>
Foreach, Break, and Continue	pptx <sup>43</sup> , pdf <sup>44</sup>
The <b>static</b> Keyword	pptx <sup>45</sup> , pdf <sup>46</sup>

<sup>1</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/010\\_general\\_concepts/Programming-Intro.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/010_general_concepts/Programming-Intro.pptx)

<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)

<sup>6</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030\\_datatypes\\_and\\_variables/Datatypes-Variables.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables.pdf)

<sup>7</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030\\_datatypes\\_and\\_variables/Datatypes-Variables-Details.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables-Details.pptx)

<sup>8</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030\\_datatypes\\_and\\_variables/Datatypes-Variables-Details.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/030_datatypes_and_variables/Datatypes-Variables-Details.pdf)

<sup>9</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040\\_operators/Operators-Conversions.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Operators-Conversions.pptx)

---

<sup>10</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040\\_operators/Operators-Conversions.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Operators-Conversions.pdf)  
<sup>11</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040\\_operators/Arithmetic-Conversions.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Arithmetic-Conversions.pptx)  
<sup>12</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040\\_operators/Arithmetic-Conversions.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/040_operators/Arithmetic-Conversions.pdf)  
<sup>13</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/050\\_reading\\_and\\_displaying/Input-Output-Concatenation.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/050_reading_and_displaying/Input-Output-Concatenation.pptx)  
<sup>14</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/050\\_reading\\_and\\_displaying/Input-Output-Concatenation.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/050_reading_and_displaying/Input-Output-Concatenation.pdf)  
<sup>15</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060\\_object\\_oriented\\_intro/Objects-Intro.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Objects-Intro.pptx)  
<sup>16</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060\\_object\\_oriented\\_intro/Objects-Intro.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Objects-Intro.pdf)  
<sup>17</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060\\_object\\_oriented\\_intro/Method-Details-UML.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Method-Details-UML.pptx)  
<sup>18</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060\\_object\\_oriented\\_intro/Method-Details-UML.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Method-Details-UML.pdf)  
<sup>19</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060\\_object\\_oriented\\_intro/Scope-Reference-Types.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Scope-Reference-Types.pptx)  
<sup>20</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060\\_object\\_oriented\\_intro/Scope-Reference-Types.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/060_object_oriented_intro/Scope-Reference-Types.pdf)  
<sup>21</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070\\_object\\_oriented\\_contd/Constructors-ToString.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Constructors-ToString.pptx)  
<sup>22</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070\\_object\\_oriented\\_contd/Constructors-ToString.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Constructors-ToString.pdf)  
<sup>23</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070\\_object\\_oriented\\_contd/Overloads-Properties.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Overloads-Properties.pptx)  
<sup>24</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070\\_object\\_oriented\\_contd/Overloads-Properties.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/070_object_oriented_contd/Overloads-Properties.pdf)  
<sup>25</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/080\\_decisions\\_booleans\\_and\\_comparisons/Booleans-Comparisons.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/080_decisions_booleans_and_comparisons/Booleans-Comparisons.pptx)  
<sup>26</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/080\\_decisions\\_booleans\\_and\\_comparisons/Booleans-Comparisons.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/080_decisions_booleans_and_comparisons/Booleans-Comparisons.pdf)  
<sup>27</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/090\\_if/If-Else.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/090_if/If-Else.pptx)  
<sup>28</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/090\\_if/If-Else.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/090_if/If-Else.pdf)  
<sup>29</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/100\\_switch/Switch.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/100_switch/Switch.pptx)  
<sup>30</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/100\\_switch/Switch.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/100_switch/Switch.pdf)  
<sup>31</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110\\_while\\_loops\\_and\\_vocabulary/While-Increment.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/While-Increment.pptx)  
<sup>32</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110\\_while\\_loops\\_and\\_vocabulary/While-Increment.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/While-Increment.pdf)  
<sup>33</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110\\_while\\_loops\\_and\\_vocabulary/Do-While-Vocab.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/Do-While-Vocab.pptx)  
<sup>34</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110\\_while\\_loops\\_and\\_vocabulary/Do-While-Vocab.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/110_while_loops_and_vocabulary/Do-While-Vocab.pdf)  
<sup>35</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130\\_combining\\_decision\\_and\\_classes/If-With-Classes.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/If-With-Classes.pptx)  
<sup>36</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130\\_combining\\_decision\\_and\\_classes/If-With-Classes.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/If-With-Classes.pdf)  
<sup>37</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130\\_combining\\_decision\\_and\\_classes/While-With-Classes.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/While-With-Classes.pptx)  
<sup>38</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130\\_combining\\_decision\\_and\\_classes/While-With-Classes.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/130_combining_decision_and_classes/While-With-Classes.pdf)  
<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)  
<sup>40</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/140\\_arrays/Arrays.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/140_arrays/Arrays.pdf)  
<sup>41</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/150\\_for\\_loops/For-Loops.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/150_for_loops/For-Loops.pptx)  
<sup>42</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/150\\_for\\_loops/For-Loops.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/150_for_loops/For-Loops.pdf)  
<sup>43</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/160\\_foreach/Arrays-Foreach.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/160_foreach/Arrays-Foreach.pptx)  
<sup>44</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/160\\_foreach/Arrays-Foreach.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/160_foreach/Arrays-Foreach.pdf)  
<sup>45</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/170\\_static\\_elements/Static.pptx](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/170_static_elements/Static.pptx)  
<sup>46</sup>[https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/170\\_static\\_elements/Static.pdf](https://github.com/csci-1301/csci-1301.github.io/raw/main/lectures/170_static_elements/Static.pdf)