**C173/D278 Supplemental Resources**

**(Following Resources are the same for both C173 and D278)**

**Resources:**

* zyBooks is the main learning resource for this course. Each lesson in the zyBooks includes a variety of challenge/participation/Lab activities.
* See[C173/D278 14-Day Challenge Pacing Guide](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000PUjMCAW) for pacing tips.
* See [C173/D278 Terminology Quiz\_Questions\_Answers.pdf](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x0000015SCtCAM) to review the terminology covered in the entire course.
* Use these[Study Questions](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA00c0000010yIjCAI) to see what to focus on.
* See [C173/D278\_zyBooks\_Lab\_Solutions.pdf](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x0000015RsACAU)
* Schedule time with any C173/D278 CIs:[C173/D278 Course Instructor Information](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000001DapPCAS)
* See [C173/D278 Audio Series Recordings](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA03x000000l9chCAA&)

**Recorded Short Webinars**:

(please note: current zyBooks version is v5, the videos were recorded on zyBooks v4, the activity numbers do not match, but the content is the same)

Lesson 2 - Variables / Assignments:

* [Participation Activity 2.1.1 (2.1.1: People on bus)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=ccec73c3-2b05-4e75-a1ae-ab7600d774a2) (2 min),
* [Challenge Activity 2.2.1 (2.2.1: Enter the output of the variable assignments)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=64e80044-8498-494a-b717-ab77010bfcb4) (4 min)

Lesson 3 - Branches:

* [Control Structures (branches, loops, ...)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=e0be3f10-eb8c-4a46-b150-a8a900d2b63c) (24 min)
* Cohort - [Branches & Loops (Demonstration)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=f5211e88-547e-4752-b5d5-af5000f49bbb)

Lesson 4 - Loops:

* [Participation Activity 4.1.6 (3.10.6: Counting negative values in a list of values)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=48f35f2d-840c-40eb-b2b9-ab9f00cd1593) (2 min),
* [Participation Activity 4.5.4 (3.14.4 Beyond iterating N times)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=73943f84-7e5d-4743-be5d-aaaf00d34364) (10 min),
* [Participation Activity 4.7.2 (3.16.2: Nested loops: Inner loop execution)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=aeb9978a-cda7-4d14-9876-aa70012ce219) (9 min)
* Cohort - [Branches & Loops (Demonstration)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=f5211e88-547e-4752-b5d5-af5000f49bbb)

Lesson 5 - Arrays:

* Cohort - [Introduction, Variable Assignments, Arrays](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=8b1e2154-76f8-4dbe-b8a2-afc300fc7a5f)

Lesson 6 - User-Defined Functions:

* [Challenge Activity 6.2.1 (4.2.1: Enter the output of the returned value)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=79016d84-4404-4f5a-9fa7-ab8900cc1c8f) (7 min)
* Cohort - [Functions & Algorithms (Demonstration)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=859d3c7d-2dc4-4eaf-bad8-af5900f56650)

Lesson 7 - Algorithms:

* [Algorithm Pseudocode example](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=94d453d9-211b-42bd-99db-aba500cc5995) (3 min),
* [Pre-Assessment item 34 on Algorithms](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=9a0bb5b7-8b1d-4f2d-abf5-abab00fc72fa) (8min)
* Cohort - [Functions & Algorithms (Demonstration)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=859d3c7d-2dc4-4eaf-bad8-af5900f56650)

Lesson 8 - The Design Process:

* Cohort - [SDLC / UML ; Waterfall & Agile](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=e0009956-ae47-4fb2-b58b-b09201409f3d)
* [UML and the Software Development Life Cycle](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=09eaffdc-95f7-45e6-a890-a87a01553236) (15 min)

Lesson 9 - Programming Languages:

* Cohort - [Programming Languages](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=3ff08a69-6e5d-4515-be42-af6500e2e88e) (50 min)

**Recorded Long Webinars**:

NEW Lab Webinars below are a work in progress and use v5 of the zyBook Learning Resoruce.

* Webinar - [LAB Solution Walkthrough - Units 1 to 2.18](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=ceeec123-c633-4ac7-92a3-aea000e5e521) (56m)
* Webinar - [LAB Solution Walkthrough - Unit 2.19 to 2.20](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=de61da57-9664-4ea7-846d-aea000e6c4d4) (56m)
* Webinar -[LAB Solution Walkthrough - Unit 3.12](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=0b87b9ba-1fc2-438a-8098-aeef013ac8ba) (43m)
* Webinar - [LAB Solution Walkthrough - Unit 3.13 and 3.14](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d24b6c09-06bc-4744-8a29-aeef013ac875) (58m)
* Webinar -[LAB Solution Walkthrough - Unit 3.15 and 3.16](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=4dbc6753-c167-4360-a2d5-aeef013ac8bc) (56m)
* Webinar - [LAB Solution Walkthrough - Unit 4.12 and 4.13](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=52f513e4-aec0-4298-88f5-af0500d2a0fa)(56m)
* Webinar -[LAB Solution Walkthrough - Unit 4.14 and 4.15](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=a5ea6405-d906-479d-a851-af3a00de9cc1)(58m)
* Webinar - [LAB Solution Walkthrough - Unit 5.8 and 5.9](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=8ec072bd-cf4d-4ad1-84c6-af3a00de4487)(53m)
* Webinar - [LAB Solution Walkthrough - Unit 5.10 and 6.8](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=9bb21991-2839-4392-bfeb-af3a00dc4224)(64m)
* Webinar - [LAB Solution Walkthrough - Unit 6.9 and 6.10](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=5e8f1678-c409-4247-a930-af4f0127db78)(45m)
* Webinar - [LAB Solution Walkthrough - Unit 6.11 and 6.12](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=388ed550-ac61-47d5-8993-af4f01281abe)(45m)
* Webinar - [LAB Solution Walkthrough - Unit 6.13 and 6.14](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=9fa2cf8d-765c-4986-9f0a-af7a00f312fa)(40m)
* Webinar - [LAB Solution Walkthrough - Unit 6.15 and 6.18](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=6db18e72-e89f-495b-b36d-af7a00f312fa)(88m)

(please note: current zyBooks version is v5, the videos below were recorded using zyBooks v4, the activity numbers do not match, but the content is the same)

* C173/D278 Webinar - [Lesson 2. Variables / Assignments (2.1 to 2.6) (53m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=12a46264-11fc-4734-bd85-acd501177f23)
* C173/D278 Webinar - [Lesson 2. Variables / Assignments (2.6 to 2.14) (57m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=08abf938-d896-48d1-9646-acd50117c920)
* C173/D278 Webinar - [Lesson 5. Arrays and Lesson 3. Branches (2.15 to 3.2) (54m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=9193dd1e-f6a7-443d-94f4-acd50118097e)
* C173/D278 Webinar - [Lesson 3. Branches (3.2 to 3.9) (54m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=1321413f-60c8-4b08-9d51-acd5011624b1)
* C173/D278 Webinar - [Lesson 4. Loops (3.9 to 3.15) (55m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=1ebf66bb-b8ad-4535-a44c-acd501162470)
* C173/D278 Webinar - [Lesson 4. Loops (3.15 to 3.20) (51m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=ca6fad42-3239-4b01-a5a7-acd50116251f)
* C173/D278 Webinar - [Lesson 6. User-Defined Functions (4.1 to 4.2) (54m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=7a13f58d-9583-4a14-9617-acd50116249e)
* C173/D278 Webinar - [Lesson 6. User-Defined Functions (4.2 to 4.3) (61m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=6c450d50-d391-4412-b80a-acd501167661)
* C173/D278 Webinar - [Lesson 6. User-Defined Functions (4.4 to 4.6) (58m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=79bf4275-8efc-471c-87a4-acd50116b938)
* C173/D278 Webinar - [Lesson 7. Algorithms (5.1) (60m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=40d4f117-af95-4ac9-ae6c-acd50116f3eb)
* C173/D278 Webinar - [Lesson 7. Algorithms (5.2 to 6.2) (55m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=c6d8fd5e-ea12-4bee-9b89-acd501173405)
* C173/D278 Webinar - [Lesson 8. The Design Process (7.1 to 7.2) (56m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=ed44ee94-3fa3-4465-b6e4-acdf015dfad6)
* C173/D278 Webinar - [Lesson 8. The Design Process (7.2 to 8.1) (53m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=f111a848-de67-4632-8baf-acf000fe09df)
* C173/D278 Webinar - [Lesson 9. Software Topics (8.1 to 8.3) (30m)](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=d04a27e6-52e6-4e28-944f-acf8014f85cb)

**Others:**

* See[C173/D278 Supplemental Videos](https://srm--c.na127.visual.force.com/apex/coursearticle?Id=kA00c000000yI6MCAU)