



## Problem Set 8: Control Structures and Subprograms

Due: 11:59 PM, Friday, December 8, 2023

You may work alone or in groups of size 2 or 3 on this problem set.

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### Getting Set Up

In Canvas, you will find a link to follow to set up your GitHub repository, which will be named `controlsubprograms-probset-yourgitname`, for this problem set. Only one member of the group should follow the link to set up the repository on GitHub, then others should request a link to be granted write access.

All GitHub repositories must be created with all group members having write access and all group member names specified in the `README.md` file by 11:59 PM, Thursday, November 30, 2023. This applies to those who choose to work alone as well!

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### Questions and Programs

**Question 1:** Sebesta Chapter 8 Programming Exercise 1, p. 362-3. Don't forget to respond to the discussion portion of the question! (5 points)

**Question 2:** Sebesta Chapter 8 Programming Exercise 3, p. 363. Be sure to use each language's multiple-selection statements (*e.g.*, `switch` statements, if that's what the language has). Don't forget to respond to the discussion portion of the question! (5 points)

**Question 3:** Sebesta Chapter 8 Programming Exercise 5, p. 363-4. (4 points)

**Question 4:** Sebesta Chapter 8 Programming Exercise 6, p. 364. (4 points)

**Question 5:** Sebesta Chapter 8 Programming Exercise 9, p. 364. (4 points)

**Question 6:** Sebesta Chapter 9 Problem Set Exercise 5, p. 413. (6 points)

**Question 7:** Sebesta Chapter 9 Problem Set Exercise 7, p. 413-4. (6 points)

**Question 8:** Sebesta Chapter 9 Programming Exercise 1, p. 414. (6 points)

**Question 9:** Sebesta Chapter 9 Programming Exercise 7, p. 415. (5 points)

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### Submission

Commit and push!

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### Grading

This assignment will be graded out of 45 points.

Feature	Value	Score
Q1: Ch. 8 PE 1	5	
Q2: Ch. 8 PE 3	5	
Q3: Ch. 8 PE 5	4	
Q4: Ch. 8 PE 6	4	
Q5: Ch. 8 PE 9	4	
Q6: Ch. 9 PS 5	6	
Q7: Ch. 9 PS 7	6	
Q8: Ch. 9 PE 1	6	
Q9: Ch. 9 PE 7	5	
Total	45	