1. From the syllabus—answer briefly.
   a. (2 pts) What is the late homework policy?
   b. (2 pts) What is the late lab policy?
   c. (2 pts) Are exams in this course open book or closed book?
   d. (2 pts) Are you permitted one sheet of notes on exams?
   e. (2 pts) Under what conditions may you miss and take a make-up exam?
   f. (2 pts) What is the policy on homework collaboration?

2. From the textbook in Ch. 1—answer briefly.
   a. What is a computer bug?
   b. From what does the name of the Python programming language originate?
   c. How is abstraction defined in your textbook?
   d. Give any example of abstraction.
   e. What is an algorithm?
f. Give an example of an algorithm that you use in your daily life.

g. Name a profession that is of some interest to you that uses computer science in some way, and briefly describe how computer science is used.

3. Perkovic 2.12

2.12 Write Python expressions corresponding to these statements:
   
   (a) The sum of the first seven positive integers
   (b) The average age of Sara (age 65), Fatima (57), and Mark (age 45)
   (c) 2 to the 20th power
   (d) The number of times 61 goes into 4356
   (e) The remainder when 4365 is divided by 61

4. Perkovic 2.14

2.14 Start by running, in the shell, the following assignment statement:

```
>>> s = 'abcdefghijklmnopqrstuvwxyz'
```

Now write expressions using string s and the indexing operator that evaluate to 'a', 'c', 'z', 'y', and 'q'.
5. Perkovic 2.17  (To evaluate the expressions, refer to values given in problem 2.16)

2.17 Write Boolean expressions corresponding to the following logical statements and evaluate the expressions:
(a) The sum of 17 and -9 is less than 10.
(b) The length of list inventory is more than five times the length of string fullname.
(c) e is no more than 24.
(d) 6.75 is between the values of integers a and b.
(e) The length of string middle is larger than the length of string first and smaller than the length string last.
(f) Either the list inventory is empty or it has more than 10 objects in it.

6. Perkovic 2.18

2.18 Write Python statements corresponding to the following:
(a) Assign to variable flowers a list containing strings 'rose', 'bougainvillea', 'yucca', 'marigold', 'daylily', and 'lilly of the valley'.
(b) Write a Boolean expression that evaluates to True if string 'potato' is in list flowers, and evaluate the expression.
(c) Assign to list thorny the sublist of list flowers consisting of the first three objects in the list.
(d) Assign to list poisonous the sublist of list flowers consisting of just the last object of list flowers.
(e) Assign to list dangerous the concatenation of lists thorny and poisonous.