CPSC 231 Fall 2023

Sample Exam 3

Your Name: _____

Your Student Number: _____

Tutorial 01

Do not turn the exam over until you are told to do so.
Good luck!

Duration: 50 Minutes

This is a closed book exam: Exams must be completed individually, following regulations on academic integrity. Only a pencil/pen and an eraser are allowed during the exams. Electronic devices, including laptops, cell phones, and calculators, must be turned off and stored in bags.

Question 1:

The following code contains error(s). Point out the type of error (syntax error, runtime error, or logic error) for each error you identify, and explain why. Identify only errors, not other things such as variable names or how you would make the code better.

```
# The following code should print a set of all positive integers up to 100
A = set()
i = 0
while i < 100:
    A.add(i)
    i += 1
for i in range(100):
    print(A[i])
```

Question 2:

Write a Python function that takes a dictionary as a parameter, and returns the key in the dictionary with the smallest corresponding value. No error checking is necessary.