Your name:

Due: Wednesday, December 4

Instructions: Review the course honor policy for written homeworks.

This cover sheet must be the front page of what you hand in. Fill out the left column in the table to the right after we go over each problem in class, according to the rubric below.

This rubric is also on the website, in more detail, under “Other Stuff” → “Grading Rubrics”.

Make sure all problems are submitted IN ORDER.

- 5: Solution is completely correct, concisely presented, and neatly written.
- 4: The solution is mostly correct, but one or two minor details were missed, or the presentation could be better.
- 3: The main idea is correct, but there are some significant mistakes. The presentation is somewhat sloppy or confused.
- 2: A complete effort was made, but the result is mostly incorrect. There may be some basic misunderstandings of the topic or the problem.
- 1: The beginning of an attempt was made, but the work is clearly incomplete.
- 0: Not submitted.

Comments or suggestions for the instructor:

What other students did you work with?

Citations (be specific about websites):
1 Generics

Consider the following very simple class definition in Java:

```java
public class AClass<T> {
    T x;

    public AClass() {
        x = new T();
    }
}
```

a) What error does javac give when you try to compile this class?

b) What does it mean - what specifically is wrong with this code? Explain in your own words.

c) Would the equivalent code in C++ using templates work? Why or why not?
2 Licenses

Find an open-source software license that is not mentioned in the slides and tell me about it.

If you want to search around, there is a fairly comprehensive list at this link and also see the links from Unit 10.

As always, you can work together but everyone needs to turn in their own example. (I understand that there will probably be accidental duplicates between people that don’t work together, which is fine.)

Specifically, I want to know:

a) What is the name of the license?

b) Which license category from class does this licence fall into?

c) How does this license differ from other similar ones?

d) Do any notable software projects use it?