NAME: Misty Baragar CS466-001

CHAPTER: 7

LAB: Lab 6 Ex 1 & 2

ANIMATED FLASHCARDS

1. Assembler

2. Assembly language

3. Code-coverage (clear-box) testing

4. Comment

5. Data-coverage (black-box) testing

6. Loader

7. Software piracy

8. Test plan

9. Test-plan implementation

10. Unary operator

11. Virtual computer

12. Machine language

BOOK EXERCISES

7. C

8. D

9. A

10. B

11. A

12. B

13. D

14. E

15. C

16. A

17. B

18. A

19. A

20. A

21. B

22. B

23. A

24. B

25. A

26. A

27. B

28. B

29. A

30. B

31. B

32. A

33. A

34. B

35. A

36. A

37. List the four steps in Polya's How To Solve It List.

Understanding the problem

Devising a plan

Carrying out the plan

Looking Back

42. An algorithm is a set of instructions for solving a problem in a finite amount of time using a finite amount of data.

44. Algorithm development phase

Implementation phase

Maintenance phase

45. In Polya's list, the human executes the plan and evaluates the results. In a computer solution, a program is written that expresses the plan in a language that the computer can execute. The human then takes the computer output and evaluates the results.

51. The top-down design process is characterized by successive layers of refinement. The top-level tasks are listed. At each succeeding level, the tasks from the previous one are further developed.

52. An abstract step is one in which further development is needed. A concrete step is one in which all the steps are fully specified.

56. Information is any knowledge that can be communicated. When information is in the form that a computer can use, it is called data. Thus data is any knowledge that can be communicated in a form that a computer can process.

58. a. Why is information hiding important?

Information hiding defers details until the level where the details are important. This

process keeps an algorithm from being dependent on the implementation details, which

may change.

b. Name three examples of information hiding that you encounter every day.

Talking on the telephone.

Driving a car.

Turning on the television.

66. a. 11

b. 5

c. 11

d. 11

e. 11

67. a. 4

b. 4

c. 1

d. 4

e. 4