Worksheet #03

Problem 1:

- Write an algorithm that gets a number and finds out if it is a prime number.
- Write an algorithm that gets number n and calculates 'n'th Fibonacci number.

Problem 2:

Dr Hudson has a very complicated rules for grading. He asked you to develop a program to help him grade students quickly. Develop a program that grade students based on the following rules:

1. Grading system: **100 > A > 80**, **80 > B > 60**, **60 > C > 50**, **50 > F (Fail) > 0**
2. Assignments grade are 30% of total points
3. Exams grade are 70% of total points
4. Everyone gets more than 50% of exams point will pass.
5. Everyone gets less than 40% of assignment points will fail.
6. For getting an A you need to get at least 80% of exams and assignments points.

Your program gets the two points for assignments and exams (between 0 and 100) and calculate the student's grade.