Assignment 5

Nar	ne:								
Direction:	Upload	your type	d solutions	in a fil	le named	"assignment05.txt"	to your	Github	account.

- 1. List and briefly define the possible states that define an instruction execution with interrupts.
- 2. List and briefly define two approaches to dealing with multiple interrupts.
- 3. Write the following C++ functions for a memory module.
 - A void function named Initialize() that takes a fstream reference parameter and an int parameter named ram. It rewrites the file referenced by ram with 100 rows of 32-character strings of zero.
 - A string function named Read() that takes a fstream reference parameter and an int parameter named ram and addr respectively. If addr is between 0 and 99 inclusively, the function returns the line of the file referenced by ram whose value equals addr; otherwise, it returns an empty string. The first line starts from 0.
 - A void function named Write() that takes a fistream reference parameter, a string parameter and an int parameter named ram, data and addr. If addr is between 0 and 99 inclusively, the function writes data on the line equal to addr of the file referenced by ram; otherwise, it does nothing.