**VIRTUAL MEMORY**

**PROGRAMMING ASSIGNMENT**

Page replacement algorithms are an important part of the infrastructure required to support Virtual Memory.

Your task is to implement TWO of the following page replacement algorithms:

1. OPTIMAL PAGE REPLACEMENT
2. FIRST IN FIRST OUT
3. LEAST RECENTLY USED
4. MOST RECENTLY USED

Scenario:

1. Assume that you have 10 available memory frames in which pages may reside.
2. The input string simulating page requests can be found in this folder. Use this list to drive the algorithms that you have implemented.
3. Your output should
   1. Flag each page request that generates a page fault
   2. Provides the total of page faults generated by the input string using that algorithm.