**Design of Memory Management**

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1. **Problem Statement**

We were challenged to use recently acquired knowledge of memory management to write a simulation of limited memory and memory policies. It will generate an output after each event and notify the end user of the current memory capabilities to store.

1. **How to use your program**

To use this program, when run, we will be asked to enter the ‘Memory Size’ in kilobytes we would like to have as resources, after that we will input the ‘Page Size’ and then the processes will run and feedback in regards to the free space will be given.

1. **Design of your program**

What were used the most in this program were pointers and integers used to give the ‘pieces of memory’ back and forth to be able to be evaluated and compared. The sum of integers were sent to queue and then shown in arrival order.

1. **Any Limitations**

There were no limitations set in the application.

1. **Any shortcomings**

Not all compilers are created equal; some of the contributors had faced exclusive errors when attempting to compile the application. Otherwise, there were not many other shortcomings.