Task5

When I change the number of physical frames from 50 to 200 for the four algorithms, the following happens:

1. The FIFO replacement algorithm goes from a 48.25% fault rate with 965 faults to a 5.00% fault rate with 100 faults.

2. The LRU replacement algorithm goes from a 48.10% fault rate with 962 faults to a 5.00% fault rate with 100 faults.

3. The Second Chance replacement algorithm goes from a 48.65% fault rate with 973 faults to a 5.00% fault rate with 100 faults.

4. The Enhanced Second Change algorithm goes from a 48.65% fault rate with 973 faults and 632 disk writes to a 5.00% fault rate with 100 faults and 58 disk writes.

For some reason, when the number of physical frames is increased to 200, all algorithms have a 5% fault rate. So, again, the fault rate % increases (less is better).