

File - FIFO

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1 "C:\Users\mca25\Documents\Akash A\python\venv\Scripts\python.exe" "C:\Users\mca25\Documents\Akash A\python\FIFO.py"
2 Enter cache size: 3
3 Enter sequence of memory block references (space-separated, e.g. '1 2 3 1 4 5'): 1 2
   3 1 4 5 2 1 2 3 4 5
4
5 --- FIFO Cache Simulation ---
6 Cache size: 3
7 Reference string: [1, 2, 3, 1, 4, 5, 2, 1, 2, 3, 4, 5]
8 -----
9 Step      Block    Result Cache Content
10 -----
11 1        1        MISS   [1]
12 2        2        MISS   [1, 2]
13 3        3        MISS   [1, 2, 3]
14 4        1        HIT    [1, 2, 3]
15 5        4        MISS   [2, 3, 4]
16 6        5        MISS   [3, 4, 5]
17 7        2        MISS   [4, 5, 2]
18 8        1        MISS   [5, 2, 1]
19 9        2        HIT    [5, 2, 1]
20 10       3        MISS   [2, 1, 3]
21 11       4        MISS   [1, 3, 4]
22 12       5        MISS   [3, 4, 5]
23 -----
24 Total references : 12
25 Total hits      : 2
```

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26 Total misses      : 10
27 Hit ratio        : 0.17
28
29 Process finished with exit code 0
30
```