

```
C:\Users\konda\OneDrive\... x + v - 0 x
Following is the SAFE Sequence
P1 -> P3 -> P4 -> P0 -> P2
=====
Process exited after 0.00262 seconds with return value 0
Press any key to continue . . .
```



```
C:\Users\kondur\OneDrive\... x + -
Reader 1 reads data: 0
Reader 3 reads data: 0
Reader 2 reads data: 0
Reader 4 reads data: 0
Reader 5 reads data: 0
Writer 1 writes data: 1
Reader 2 reads data: 1
Reader 4 reads data: 1
Reader 1 reads data: 1
Reader 5 reads data: 1
Reader 3 reads data: 1
Writer 1 writes data: 2
|
```

```
C:\Users\kondur\OneDrive\... x + -
Memory Blocks:
Block 1: 1000 KB

Memory allocated successfully: 200 KB
Memory Blocks:
Block 1: 800 KB
Block 2: 800 KB

Memory allocated successfully: 500 KB
Memory Blocks:
Block 1: 300 KB
Block 2: 300 KB
Block 3: 800 KB

Memory allocated successfully: 800 KB
Memory Blocks:
Block 1: 300 KB
Block 2: 300 KB
Block 3: 0 KB

Memory allocated successfully: 300 KB
Memory Blocks:
Block 1: 0 KB
Block 2: 300 KB
Block 3: 0 KB

-----
Process exited after 0.03489 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\kondur\OneDrive\ID x + v
Memory Blocks:
Block 1: 1000 KB

Memory allocated successfully: 200 KB
Memory Blocks:
Block 1: 800 KB
Block 2: 800 KB

Memory allocated successfully: 500 KB
Memory Blocks:
Block 1: 300 KB
Block 2: 300 KB
Block 3: 800 KB

Memory allocated successfully: 800 KB
Memory Blocks:
Block 1: 300 KB
Block 2: 300 KB
Block 3: 0 KB

Memory allocated successfully: 300 KB
Memory Blocks:
Block 1: 0 KB
Block 2: 300 KB
Block 3: 0 KB

-----
Process exited after 0.03688 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\kondur\OneDrive\ID x + v
Memory Blocks:
Block 1: 1000 KB

Memory allocated successfully: 200 KB
Memory Blocks:
Block 1: 800 KB
Block 2: 800 KB

Memory allocated successfully: 500 KB
Memory Blocks:
Block 1: 300 KB
Block 2: 300 KB
Block 3: 800 KB

Memory allocated successfully: 800 KB
Memory Blocks:
Block 1: 300 KB
Block 2: 300 KB
Block 3: 0 KB

Memory allocated successfully: 300 KB
Memory Blocks:
Block 1: 0 KB
Block 2: 300 KB
Block 3: 0 KB

-----
Process exited after 0.03568 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\kondal\OneDrive\ID x + v - 0 x
File opened successfully.
Data written to the file.
File closed successfully.
Data read from the file:
Hello, this is a file management example.
File closed successfully.

-----
Process exited after 0.04419 seconds with return value 0
Press any key to continue . . . |
```