Name: Md. Adnan Younus  
ID: 011171018

Number of delays =10

|  |  |  |  |
| --- | --- | --- | --- |
| Performance Measure | FIFO | SJF | LIFO |
| Average Delay | 0.42132813865433166 | 0.2636782982767726 | 0.3518306681877954 |
| Expected Number  of Customers in  the queue | 0.8635379484969721 | 0.6467133468640393 | 0.8441920377610541 |
| Expected  Utilization of the  server-1 | 0.8753107776487685 | 0.8714524175014424 | 0.8902107553975309 |
| Expected  Utilization of the  server-2 | 0.6785447943750531 | 0.6685977441717876 | 0.7169577006448807 |

Number of delays =30

|  |  |  |  |
| --- | --- | --- | --- |
| Performance Measure | FIFO | SJF | LIFO |
| Average Delay | 0.25196264203289026 | 0.1384105459914385 | 0.1384105459914385 |
| Expected Number  of Customers in  the queue | 0.5137152730255187 | 0.28050184410880535 | 0.28050184410880535 |
| Expected  Utilization of the  server-1 | 0.7901585666622782 | 0.7884107957202102 | 0.7884107957202102 |
| Expected  Utilization of the  server-2 | 0.5017192034248933 | 0.49756901876692394 | 0.49756901876692394 |

Number of delays =60

|  |  |  |  |
| --- | --- | --- | --- |
| Performance Measure | FIFO | SJF | LIFO |
| Average Delay | 0.0 | 0.0 | 0.0 |
| Expected Number  of Customers in  the queue | 0.0 | 0.0 | 0.0 |
| Expected  Utilization of the  server-1 | 0.585006266359333 | 0.585006266359333 | 0.585006266359333 |
| Expected  Utilization of the  server-2 | 0.17859528369476313 | 0.17859528369476313 | 0.17859528369476313 |