MSc. Computer Science
Sem – III
AOS

Assignment 2

GROUP C:

NAME	UNIVERSITY ROLL NO.
MADHURIMA SEN	C91-CSC-201010
SNIGDHADIP BANERJEE	C91-CSC-201020
KANKANA GHOSH	C91-CSC-201008
RATNA MITRA GHOSH	C91-CSC-201016

Link to the executable code

Data Sets

- The program takes the number of nodes as input at run time
  Enter number of nodes: 3

Screenshots

```
"c:/Users/KANKANA GHOSH/AppData/Local/Programs/Python/Python38/AOS prac/Ricart-Agarwala.py"
enter number of nodes: 3
Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  0) (approved by:  0 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  0) (approved by:  0 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  0) (approved by:  0 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  0) (approved by:  0 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  0) (approved by:  0 nodes)

Node  0:            Requesting (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  0) (approved by:  0 nodes)

Node  0:  IN CRITICAL SECTION (local timestamp:  0) (approved by:  2 nodes)
Node  1:            Requesting (local timestamp:  2) (approved by:  1 nodes)
Node  2:            Requesting (local timestamp:  4) (approved by:  0 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:  IN CRITICAL SECTION (local timestamp:  2) (approved by:  2 nodes)
Node  2:            Requesting (local timestamp:  4) (approved by:  1 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:  IN CRITICAL SECTION (local timestamp:  2) (approved by:  2 nodes)
Node  2:            Requesting (local timestamp:  4) (approved by:  1 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  2) (approved by:  0 nodes)
Node  2:  IN CRITICAL SECTION (local timestamp:  4) (approved by:  2 nodes)
```

```
Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  2) (approved by:  0 nodes)
Node  2:  IN CRITICAL SECTION (local timestamp:  4) (approved by:  2 nodes)

Node  0:                  free (local timestamp:  0) (approved by:  0 nodes)
Node  1:            Requesting (local timestamp:  7) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  4) (approved by:  0 nodes)

Node  0:            Requesting (local timestamp:  9) (approved by:  1 nodes)
Node  1:  IN CRITICAL SECTION (local timestamp:  7) (approved by:  2 nodes)
Node  2:                  free (local timestamp:  4) (approved by:  0 nodes)

Node  0:  IN CRITICAL SECTION (local timestamp:  9) (approved by:  2 nodes)
Node  1:                  free (local timestamp:  7) (approved by:  0 nodes)
Node  2:                  free (local timestamp:  4) (approved by:  0 nodes)

Node  0:  IN CRITICAL SECTION (local timestamp:  9) (approved by:  2 nodes)
Node  1:                  free (local timestamp:  7) (approved by:  0 nodes)
Node  2:            Requesting (local timestamp: 11) (approved by:  1 nodes)

Node  0:                  done (local timestamp:  9) (approved by:  0 nodes)
Node  1:                  free (local timestamp:  7) (approved by:  0 nodes)
Node  2:  IN CRITICAL SECTION (local timestamp: 11) (approved by:  2 nodes)

Node  0:                  done (local timestamp:  9) (approved by:  0 nodes)
Node  1:            Requesting (local timestamp: 13) (approved by:  1 nodes)
Node  2:                  done (local timestamp: 11) (approved by:  0 nodes)

Node  0:                  done (local timestamp:  9) (approved by:  0 nodes)
Node  1:  IN CRITICAL SECTION (local timestamp: 13) (approved by:  2 nodes)
Node  2:                  done (local timestamp: 11) (approved by:  0 nodes)
```