MSc. Computer Science
Sem – III
AOS

Assignment 3

GROUP C:

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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/Raymonds-Algorithm.py"
Enter number of nodes: 3
|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 1 ( crit , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( crit , queue: [] )
   |- 0 ( free , queue: [] )
```

```
    |- 2 ( free , queue: [] )

|- 1 ( free , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( free , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 0 ( crit , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 2 ( crit , queue: [] )
   |- 1 ( free , queue: [] )
      |- 0 ( free , queue: [] )

|- 2 ( crit , queue: [1] )
   |- 1 ( wait , queue: [] )
      |- 0 ( free , queue: [] )

|- 1 ( crit , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( crit , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 2 ( crit , queue: [] )
   |- 1 ( free , queue: [] )
      |- 0 ( free , queue: [] )

|- 2 ( crit , queue: [1] )
   |- 1 ( wait , queue: [] )
      |- 0 ( free , queue: [] )

|- 1 ( crit , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( free , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( free , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( free , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( free , queue: [] )
   |- 0 ( free , queue: [] )
   |- 2 ( free , queue: [] )

|- 1 ( free , queue: [] )
```

```
   |- 0 ( wait , queue: [] )
   |- 2 ( free , queue: [] )

|- 0 ( crit , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 0 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 2 ( free , queue: [] )

|- 2 ( crit , queue: [] )
   |- 1 ( free , queue: [] )
      |- 0 ( free , queue: [] )

|- 2 ( crit , queue: [] )
   |- 1 ( free , queue: [] )
      |- 0 ( free , queue: [] )

|- 2 ( free , queue: [] )
   |- 1 ( free , queue: [] )
      |- 0 ( free , queue: [] )

|- 0 ( crit , queue: [-3] )
   |- 1 ( done , queue: [] )
      |- 2 ( done , queue: [] )

|- 0 ( done , queue: [] )
   |- 1 ( done , queue: [] )
      |- 2 ( done , queue: [] )
```