

***** EXERCISE a15f3.c *****

=== COMPILATION ===

SUCCESSFUL

=== EXECUTION. TEST #1 ===

(a)

Queue: 3 6 9 12 15 18 21 24 27 30

Front=0 Rear=0 Count=10

(b)

Give a number:64

Give a multiple of 3

Give a number:65

Give a multiple of 3

Give a number:66

Full Queue

Queue: 3 6 9 12 15 18 21 24 27 30

Front=0 Rear=0 Count=10

(c)

Queue: 6 9 12 15 18 21 24 27 30

Front=1 Rear=0 Count=9

Removed item=3

(d)

Give a number:12

Queue: 6 9 12 15 18 21 24 27 30 12

Front=1 Rear=1 Count=10

Give a number:15

Full Queue

Queue: 6 9 12 15 18 21 24 27 30 12

Front=1 Rear=1 Count=10

(e)

Queue: 9 12 15 18 21 24 27 30 12

Front=2 Rear=1 Count=9

Removed item=6

Queue: 12 15 18 21 24 27 30 12

Front=3 Rear=1 Count=8

Removed item=9

Queue: 15 18 21 24 27 30 12

Front=4 Rear=1 Count=7

Removed item=12

Queue: 18 21 24 27 30 12

Front=5 Rear=1 Count=6

Removed item=15

Queue: 21 24 27 30 12

Front=6 Rear=1 Count=5

Removed item=18

Queue: 24 27 30 12

Front=7 Rear=1 Count=4

Removed item=21

Queue: 27 30 12

Front=8 Rear=1 Count=3

Removed item=24

Queue: 30 12

Front=9 Rear=1 Count=2

Removed item=27

Queue: 12

Front=0 Rear=1 Count=1

Removed item=30

Queue: Empty Queue

Front=1 Rear=1 Count=0

Removed item=12

=== EXECUTION RESULT: ===

CORRECT

GRADE:10

*** EXERCISE a30f4.c ***

=== COMPILATION ===

SUCCESSFUL

=== EXECUTION. TEST #1 ===

Question C

Storage pool

1o STOIXEIO LISTAS=-1, 1H FREE POSITION=0

H STORAGE POOL EXEI TA EJHS STOIXEIA

(0:<-1,-1.0> ->1) (1:<-1,-1.0> ->2) (2:<-1,-1.0> ->3) (3:<-1,-1.0> ->4) (4:<-1,-1.0> ->5) (5:<-1,-1.0> ->6) (6:<-1,-1.0> ->7) (7:<-1,-1.0> ->8) (8:<-1,-1.0> ->9) (9:<-1,-1.0> ->-1)

Question D

Linked list

Empty List ...

Question E

DWSE AM GIA EISAGWGH STH LISTA: 201

DWSE VATHMO GIA EISAGWGH STH LISTA: 8

DWSE AM GIA EISAGWGH STH LISTA: 202

DWSE VATHMO GIA EISAGWGH STH LISTA: 9

DWSE AM GIA EISAGWGH STH LISTA: 203

DWSE VATHMO GIA EISAGWGH STH LISTA: 8

DWSE AM GIA EISAGWGH STH LISTA: 204

DWSE VATHMO GIA EISAGWGH STH LISTA: 10

DWSE AM GIA EISAGWGH STH LISTA: 205

DWSE VATHMO GIA EISAGWGH STH LISTA: 8

Question F

Storage pool

1o STOIXEIO LISTAS=4, 1H FREE POSITION=5

H STORAGE POOL EXEI TA EJHS STOIXEIA

(0:<201,8.0> ->-1) (1:<202,9.0> ->0) (2:<203,8.0> ->1) (3:<204,10.0> ->2) (4:<205,8.0> ->3) (5:<-1,-1.0> ->6) (6:<-1,-1.0> ->7) (7:<-1,-1.0> ->8) (8:<-1,-1.0> ->9) (9:<-1,-1.0> ->-1)

Question G

Linked list

(4:<205,8.0> ->3) (3:<204,10.0> ->2) (2:<203,8.0> ->1) (1:<202,9.0> ->0) (0:<201,8.0> ->-1)

Question H

Not an Empty List

Question I

Not a Full List

Question J

Min value=8.0

AM with min grade are: 201 203 205

Question K

plithos sto stack 0

Question L

Storage pool

1o STOIXEIO LISTAS=4, 1H FREE POSITION=5

H STORAGE POOL EXEI TA EJHS STOIXEIA

(0:<201,8.0> ->-1) (1:<202,9.0> ->0) (2:<203,8.0> ->1) (3:<204,10.0> ->2) (4:<205,8.0> ->3) (5:<-1,-1.0> ->6) (6:<-1,-1.0> ->7) (7:<-1,-1.0> ->8) (8:<-1,-1.0> ->9) (9:<-1,-1.0> ->-1)

Question M

Linked list

(4:<205,8.0> ->3) (3:<204,10.0> ->2) (2:<203,8.0> ->1) (1:<202,9.0> ->0) (0:<201,8.0> ->-1)

sh: 1: pause: not found

=== EXECUTION RESULT: ===

CORRECT

GRADE:10