

EXPLORED

OPEN EDITORS

C ToH.c Competition\Programs

C PriorityQ_LL.c Competition\DSA

C ToH.c Sem3\Assignment 9

C LANGUAGE

File

PVScode

Sem1

Sem2

Sem3

Assignment 1

Assignment 2

Assignment 3

Assignment 4

Assignment 4.1

Assignment 5

Assignment 5.1

Assignment 6

Assignment 7.1

Ev_PO.c

Ev_PO.exe

InToPo_Q1.c

InToPo_Q1.exe

Assignment 8

Assignment 9

ToH.c

ToH.exe

VS_Sem2

Google Easy Ques1.xlsx

letusc-yashwantkanetkar.pdf

tempCodeRunnerFile.c

tempCodeRunnerFile.cpp

tempCodeRunnerFile.exe

VS.code-workspace

OUTLINE

Sem3 > Assignment 9 > C ToH.c > main()

1 //JOHN ALEXANDER E 20011896

2 #include <stdio.h>

3 int TofH(int n,int src, int aux, int des)

4 {

5 if(n == 1)

6 {

7 printf("\nMOVE a disk from %d to %d",src,des);

8 return 0;

9 }

10 TofH(n-1,src,des,aux);

11 printf("\nMOVE a disk from %d to %d",src,des);

12 TofH(n-1,aux,src,des);

13 }

14 int main()

15 {

16 printf("JOHN ALEXANDER E 20011896\n");

17 int n;

18 printf("Enter the number of disks\n");

19 scanf("%d",&n);

20 TofH(n,1,2,3);

21 }

22 }

C:\WINDOWS\system32\cmd.exe

JOHN ALEXANDER E 20011896

Enter the number of disks

4

MOVE a disk from 1 to 2

MOVE a disk from 1 to 3

MOVE a disk from 2 to 3

MOVE a disk from 1 to 2

MOVE a disk from 3 to 1

MOVE a disk from 3 to 2

MOVE a disk from 1 to 2

MOVE a disk from 1 to 3

MOVE a disk from 2 to 3

MOVE a disk from 2 to 1

MOVE a disk from 3 to 1

MOVE a disk from 2 to 3

MOVE a disk from 1 to 2

MOVE a disk from 1 to 3

MOVE a disk from 2 to 3

Press any key to continue . . .

0 0 0

Type here to search

Ln 20, Col 19

Spaces: 4

UTF-8

CRLF

C

Win32

02:52 PM

19-10-2021

Activate Windows
Go to Settings to activate Windows.

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EXPLORES

...

PriorityQ_LL.c

PriorityQ.c

ToH.c

OPEN EDITORS

PriorityQ_LL.c Competition\DSA

PriorityQ.c Sem3\Assignment 9

ToH.c Sem3\Assignment 9

C LANGUAGE

Try.exe

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PVScode

Sem1

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Sem3

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Assignment 4.1

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Ev_PO.c

Ev_PO.exe

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InToPo_Q1.exe

Assignment 8

Assignment 9

PriorityQ.c

PriorityQ.exe

Q1.png

ToH.c

ToH.exe

VS_Sem2

Google Easy Ques1.xlsx

letusc-yashwantkanetkar.pdf

OUTLINE

Sem3 > Assignment 9 > PriorityQ.c > min_priority(Que *, count *)

1#include <stdio.h>

2typedef struct counters

3{

4int s;

5int rear;

6int n;

7}count;

8typedef struct Queue

9{

10int data;

11int priority;

12}Queue;

13int ini(count *c)

14{

15c->rear = -1;

16c->s = 0;

17}

18int enqueue(Que *Q, count *c)

19{

20int d,p;

21if(c->rear == c->n-1)

22printf("QUEUE OVERFLOW\n");

23else

24{

25printf("Enter the number and its priority");

26scanf("%d",&d,&p);

27++(c->rear);

28Q[c->rear].data = d;

29Q[c->rear].priority = p;

30}

31}

32int min_priority(Que *Q, count *c)

33{

34int x;

35c->s = Q[0].priority;

36for(int i = 1;i<=c->rear;i++)

37if(c->s > Q[i].priority)

38{

39c->s = Q[i].priority;

40x = i;

C:\WINDOWS\system32\cmd.exe

Enter the size of queue

5

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

1

Enter the number and its priority

5 1

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

1

Enter the number and its priority

6 4

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

1

Enter the number and its priority

7 3

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Ln 33, Col 2

Spaces: 4

UTF-8

CRLF

C

Win32

02:56 PM

19-10-2021

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PriorityQ.c - C language

Visual Studio Code

EXPLORER

OPEN EDITORS

C LANGUAGE

Sem3 > Assignment 9 > C PriorityQ.c > min_priority(Que *, count *)

C PriorityQ_LL.c Competition\DSA

C PriorityQ.c Sem3\Assignment 9

ToH.c Sem3\Assignment 9

Try.exe

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Assignment 4.1

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Assignment 5.1

Assignment 6

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Ev_PO.c

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Assignment 8

Assignment 9

PriorityQ.c

PriorityQ.exe

Q1.png

ToH.c

ToH.exe

VS_Sem2

Google Easy Ques1.xlsx

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OUTLINE

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C:\WINDOWS\system32\cmd.exe

Enter your choice

1

Enter the number and its priority

1 2

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

1

Enter the number and its priority

10 5

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

3

DATA : 5

PRIORITY : 1

DATA : 6

PRIORITY : 4

DATA : 7

PRIORITY : 3

DATA : 1

PRIORITY : 2

DATA : 10

PRIORITY : 5

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Ln 33, Col 2

Spaces: 4

UTF-8

CRLF

C

Win32

02:56 PM

19-10-2021

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PriorityQ.c - C language

Visual Studio Code

EXPLORER

OPEN EDITORS

PriorityQ_LL.c Competition\DSA

PriorityQ.c Sem3\Assignment 9

ToH.c Sem3\Assignment 9

C LANGUAGE

Try.exe

File

PVScode

Sem1

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Ev_PO.c

Ev_PO.exe

InToPo_Q1.c

InToPo_Q1.exe

Assignment 8

Assignment 9

PriorityQ.c

PriorityQ.exe

Q1.png

ToH.c

ToH.exe

VS_Sem2

Google Easy Ques1.xlsx

letusc-yashwantkanetkar.pdf

OUTLINE

Sem3 > Assignment 9 > C PriorityQ.c > min_priority(Que *, count *)

01 int Q[10];

62 printf("DATA : %d\nPRIORITY : %d\n",Q[i].data,Q[i].priority);

63 }

64 int main()

65 {

66 count c;

67 printf("Enter the size of queue\n");

68 scanf("%d",&c.n);

69 Que Q[c.n];

70 ini(&c);

71

72 int ch;

73 while(ch!=4)

74 {

75 printf("Enter 1 to Input Data in

76 printf("Enter 2 to Delete from Q

77 printf("Enter 3 to Display\n");

78 printf("Enter 4 to STOP\n");

79 printf("Enter your choice\n");

80 scanf("%d",&ch);

81 switch(ch)

82 {

83 case 1:

84 enqueue(Q,&c);

85 break;

86 case 2:

87 dequeue(&Q,&c);

88 break;

89 case 3:

90 display(Q,&c);

91 break;

92 case 4:

93 continue;

94 default:

95 printf("INVALID CHOICE\n");

96 }

97 }

98 }

C:\WINDOWS\system32\cmd.exe

2

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

3

DATA : 6

PRIORITY : 4

DATA : 7

PRIORITY : 3

DATA : 1

PRIORITY : 2

DATA : 10

PRIORITY : 5

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

2

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

3

DATA : 6

PRIORITY : 4

DATA : 7

0 0 0

Type here to search

Win32

Ln 33, Col 2

Spaces: 4

UTF-8

CRLF

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PriorityQ.c - C language

Visual Studio Code

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OPEN EDITORS

C LANGUAGE

PriorityQ_LL.c Competition\DSA

PriorityQ.c Sem3\Assignment 9

ToH.c Sem3\Assignment 9

Try.exe

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Ev_PO.c

Ev_PO.exe

InToPo_Q1.c

InToPo_Q1.exe

Assignment 8

Assignment 9

PriorityQ.c

PriorityQ.exe

Q1.png

ToH.c

ToH.exe

VS_Sem2

Google Easy Ques1.xlsx

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OUTLINE

Sem3 > Assignment 9 > C PriorityQ.c > min_priority(Que *, count *)

01 int i = 0, n = 0; while (i < n) {

62 printf("DATA : %d\nPRIORITY : %d\n", Q[i].data, Q[i].priority);

63 }

64 int main()

65 {

66 count c;

67 printf("Enter the size of queue\n");

68 scanf("%d", &c.n);

69 Que Q[c.n];

70 ini(&c);

71 }

72 int ch;

73 while(ch != 4)

74 {

75 printf("Enter 1 to Input Data into the Queue\n");

76 printf("Enter 2 to Delete from Queue\n");

77 printf("Enter 3 to Display\n");

78 printf("Enter 4 to STOP\n");

79 printf("Enter your choice\n");

80 scanf("%d", &ch);

81 switch(ch)

82 {

83 case 1:

84 enqueue(Q, &c);

85 break;

86 case 2:

87 dequeue(&Q, &c);

88 break;

89 case 3:

90 display(Q, &c);

91 break;

92 case 4:

93 continue;

94 default:

95 printf("INVALID CHOICE\n");

96 }

97 }

98 }

C:\WINDOWS\system32\cmd.exe

PRIORITY : 2

DATA : 10

PRIORITY : 5

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

2

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

3

DATA : 6

PRIORITY : 4

DATA : 7

PRIORITY : 3

DATA : 10

PRIORITY : 5

Enter 1 to Input Data into the Queue

Enter 2 to Delete from Queue

Enter 3 to Display

Enter 4 to STOP

Enter your choice

4

Press any key to continue . . .

0 0 0

Type here to search

Win32

Ln 33, Col 2

Spaces: 4

UTF-8

CRLF

C

Win32

ENG

02:57 PM

19-10-2021

Activate Windows

Go to Settings to activate Windows.