

ข้อ 1

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/1

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์ Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

You have got full mark !!!

Last submission :

```
1 ***
2 * กลุ่มที่ : 21010001
3 * 63010279 ณภัทร จิราวัฒน์กุลชัย
4 * chapter : 3 item : 1 ครั้งที่ : 0001
5 * Assigned : Tuesday 31st of August 2021 09:27:45 PM --> Submission : Wednesday 1st of September 2021 11:38:57 AM
6 * Elapsed time : 851 minutes.
7 * filename : 63010279_Lab3_1.py
8 ***
9 class Stack() :
10     def __init__(self):
11         self.stack = list()
12     def push(self, item):
13         self.stack.append(item)
14         print("Add = {} and Size = {}".format(item,len(self.stack)))
15     def pop(self):
```

Number of testcase : 4

Testcase student: #1/4 1

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/1

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์ Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #1/4 1

Enter Input : A 10,A 20,A 30,A 40,P,P
Add = 10 and Size = 1
Add = 20 and Size = 2
Add = 30 and Size = 3
Add = 40 and Size = 4
Pop = 40 and Index = 3
Pop = 30 and Index = 2
Value in Stack = 10 20

Enter Input : A 10,A 20,A 30,A 40,P,P
Add = 10 and Size = 1
Add = 20 and Size = 2
Add = 30 and Size = 3
Add = 40 and Size = 4
Pop = 40 and Index = 3
Pop = 30 and Index = 2
Value in Stack = 10 20

Testcase student: #2/4 2


Enter Input : A 10,A 20,A 30,A 40,P,P 50,A 60,P,P,P,P,P,P
Add = 10 and Size = 1
Add = 20 and Size = 2
Add = 30 and Size = 3
Add = 40 and Size = 4
Pop = 40 and Index = 3
Add = 50 and Size = 4
Add = 60 and Size = 5
Pop = 60 and Index = 4

Enter Input : A 10,A 20,A 30,A 40,P,P 50,A 60,P,P,P,P,P,P
Add = 10 and Size = 1
Add = 20 and Size = 2
Add = 30 and Size = 3
Add = 40 and Size = 4
Pop = 40 and Index = 3
Add = 50 and Size = 4
Add = 60 and Size = 5
Pop = 60 and Index = 4

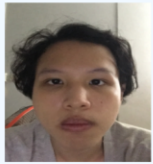
KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/1

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... รามเทพพิทักษ์... Cal Video Network


 **Programming Lab Management System**
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out



กลุ่มที่ : 1
รหัสนักศึกษา : 63010279
นาย ณภัทร ชีววัฒนกุลชัย
ฤ
วิศวกรรมคอมพิวเตอร์

This testcase is hidden.


Testcase student: #4/4 4 


```
Enter Input : P,A 99,P,P,A 88,P,P,A 12,A 13,A 86
-1
Add = 99 and Size = 1
Pop = 99 and Index = 0
-1
Add = 88 and Size = 1
Pop = 88 and Index = 0
-1
Add = 12 and Size = 1
Add = 13 and Size = 2
Add = 86 and Size = 3
Value in Stack = 12 13 86
```

```
Enter Input : P,A 99,P,P,A 88,P,P,A 12,A 13,A 86
-1
Add = 99 and Size = 1
Pop = 99 and Index = 0
-1
Add = 88 and Size = 1
Pop = 88 and Index = 0
-1
Add = 12 and Size = 1
Add = 13 and Size = 2
Add = 86 and Size = 3
Value in Stack = 12 13 86
```

Page rendered in 0.1019 seconds. CodeIgniter Version 3.1.2 Sun Sep 5 08:16:37

Type here to search



 8:22 PM
9/5/2021

ข้อ 2

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/2

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์... Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

You have got full mark !!!

Last submission : ✓

```
1 '''
2 * กลุ่มที่ : 21010001
3 * 63010279 ณภัทร จิราธิเบญจชัย
4 * chapter : 3 item : 2 ครั้งที่ : 0008
5 * Assigned : Tuesday 31st of August 2021 09:28:34 PM --> Submission : Wednesday 1st of September 2021 06:25:00 PM
6 * Elapsed time : 1256 minutes.
7 * filename : 63010279_lab3_2.py
8 '''
9 class Stack():
10     def __init__(self):
11         self.stack = list()
12     def push(self, item):
13         self.stack.append(item)
14     def pop(self):
15         if len(self.stack) > 0:
```

Number of testcase : 7

Type here to search

8:23 PM 9/5/2021

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/2

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์... Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Number of testcase : 7

Testcase student: #1/7 1 ✓

Enter expression : [()])])
[()])]) Unmatch open-close

Enter expression : [()])])
[()])]) Unmatch open-close

Testcase student: #2/7 2 ✓

Enter expression : [()])
[()]) Unmatch open-close

Enter expression : [()])
[()]) Unmatch open-close

Testcase student: #3/7 3 ✓


Type here to search

8:23 PM 9/5/2021

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/2

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... รวบรวมสื่อการสอน... Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #3/7 3 ✓

Enter expresion : (())
(()) close paren excess

Enter expresion : (())
(()) close paren excess

Testcase student: #4/7 4 ✓

Enter expresion :)]]
))] close paren excess

Enter expresion :)]]
))] close paren excess

Testcase student: #5/7 5 ✓

Enter expresion : (((
(((open paren excess 3 : (((

Enter expresion : (((
(((open paren excess 3 : (((


Type here to search

8:24 PM
9/5/2021

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/2

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... รวบรวมสื่อการสอน... Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #5/7 5 ✓

Enter expresion : (((
(((open paren excess 3 : (((

Enter expresion : (((
(((open paren excess 3 : (((

Testcase student: #6/7 6 ✓

Enter expresion : (a+c)(a-b)*c(-a
(a+c)(a-b)*c(-a open paren excess 1 : (

Enter expresion : (a+c)(a-b)*c(-a
(a+c)(a-b)*c(-a open paren excess 1 : (

Testcase student: #7/7 7 ✓

This testcase is hidden.

Page rendered in 0.0674 seconds. CodeIgniter Version 3.1.2 Sun Sep 5 08:17:52

Type here to search

8:24 PM
9/5/2021

ข้อ 3

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/3

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

You have got full mark !!!

Last submission : ✓

```
1 '''
2 * กลุ่มที่ : 21010001
3 * 63010279 ณภัทร จิราวัฒน์กุลชัย
4 * chapter : 3 item : 3 ครั้งที่ : 0001
5 * Assigned : Tuesday 31st of August 2021 09:28:42 PM --> Submission : Thursday 2nd of September 2021 04:34:25 AM
6 * Elapsed time : 1865 minutes.
7 * filename : 63010279_Lab3_3.py
8 '''
9 class Stack:
10     def __init__(self):
11         self.value=[]
12         self.score=(' ':1, '-':1, '*':2, '/':2, '^':3, '(':0)
13     def push(self, value):
14         self.value.append(value)
15     def pop(self):
```

Number of testcase : 10

Type here to search

8:24 PM 9/5/2021

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/3

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #1/10 4 ✓

Enter Infix : a+b*c-d
Postfix : abc*d-

Enter Infix : a+b*c-d
Postfix : abc*d-

Testcase student: #2/10 5 ✓

Enter Infix : a+b*c-(d/e+f)*g
Postfix : abc*de/f+g*-

Enter Infix : a+b*c-(d/e+f)*g
Postfix : abc*de/f+g*-

Testcase student: #3/10 6 ✓

Enter Infix : A+(B*C-(D/E^F)*G)*H
Postfix : ABC*DEF^/G*-H*+

Enter Infix : A+(B*C-(D/E^F)*G)*H
Postfix : ABC*DEF^/G*-H*+


Type here to search

8:24 PM 9/5/2021

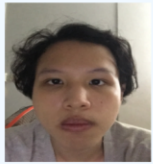
KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/3

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดงาน... Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out



กลุ่มที่ : 1
รหัสนักศึกษา : 63010279
นาย ณภัทร ชีวรัตน์กุลชัย
ฤ
วิศวกรรมคอมพิวเตอร์

Testcase student: #4/10 7

```
Enter Infix : K+L-M*N+(O^P)*W/U/V*I+Q
Postfix : KL+MN*-OP^M*U/V/I*+Q+
```

```
Enter Infix : K+L-M*N+(O^P)*W/U/V*I+Q
Postfix : KL+MN*-OP^M*U/V/I*+Q+
```

Testcase student: #5/10 8

```
Enter Infix : G+A*(U-R)^I
Postfix : GA+UR-I^+
```

```
Enter Infix : G+A*(U-R)^I
Postfix : GA+UR-I^+
```

Testcase student: #6/10 9

This testcase is hidden.


Type here to search

8:25 PM 9/5/2021

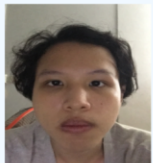
KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/3

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดงาน... Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out



กลุ่มที่ : 1
รหัสนักศึกษา : 63010279
นาย ณภัทร ชีวรัตน์กุลชัย
ฤ
วิศวกรรมคอมพิวเตอร์

Testcase student: #5/10 8

```
Enter Infix : G+A*(U-R)^I
Postfix : GA+UR-I^+
```

```
Enter Infix : G+A*(U-R)^I
Postfix : GA+UR-I^+
```

Testcase student: #6/10 9

This testcase is hidden.

Testcase student: #7/10 10

This testcase is hidden.

Page rendered in 0.0731 seconds. CodeIgniter Version 3.1.2 Sun Sep 5 08:19:08

Type here to search

8:25 PM 9/5/2021

ข้อ 4

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/4

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์... Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

You have got full mark !!!

Last submission :

```
1 ***
2 * กลุ่มที่ : 21010001
3 * 63010279 ณภัทร จิราธิเบญจชัย
4 * chapter : 3 item : 4 ครั้งที่ : 0002
5 * Assigned : Tuesday 31st of August 2021 09:29:00 PM --> Submission : Thursday 2nd of September 2021 04:27:27 AM
6 * Elapsed time : 1858 minutes.
7 * filename : 63010279_Lab3_4.py
8 ***
9 class Stack:
10     def __init__(self):
11         self.stack = list()
12     def push(self, value):
13         self.stack.append(value)
14     def pop(self):
15         if len(self.stack) > 0:
```

Number of testcase : 5

Testcase student: #1/5 1

Type here to search

8:25 PM 9/5/2021

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/4

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์... Cal Video Network

Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #1/5 1

Enter Input : A 4,A 3,B,A 5,A 8,B
2
1

Enter Input : A 4,A 3,B,A 5,A 8,B
2
1

Testcase student: #2/5 2

Enter Input : A 8,A 3,A 2,A 6,A 2,B,A 10,B
3
1

Enter Input : A 8,A 3,A 2,A 6,A 2,B,A 10,B
3
1

Testcase student: #3/5 3

Enter Input : B,B,B,A 10,A 1,A 3,A 2,B,A 1,A 1,B,A 5,A 4,B
0
0
0

Enter Input : B,B,B,A 10,A 1,A 3,A 2,B,A 1,A 1,B,A 5,A 4,B
0
0
0


Type here to search

8:25 PM 9/5/2021

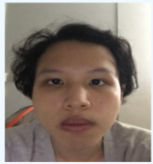
KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/4

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... รวบรวมการฝึกงาน... Cal Video Network

 **Programming Lab Management System**
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out



กลุ่มที่ : 1
รหัสนักศึกษา : 63010279
นาย ณภัทร ชีราวัฒน์กุลชัย
ฤ
วิศวกรรมคอมพิวเตอร์

Testcase student: #4/5 4

Enter Input : A 1,A 2,A 3,A 4,B,A 3,A 2,B,A 99,A 5,B,A 4,B,A 67

1
3
2
3

Enter Input : A 1,A 2,A 3,A 4,B,A 3,A 2,B,A 99,A 5,B,A 4,B,A 67

1
3
2
3

Testcase student: #5/5 5


Enter Input : A 100,A 50,A 25,A 12,A 6,B,B,B,A 76,B,A 61,B,A 1,B,B,A 6,A 11,B


5
5
5
2
3
4
4
4

Enter Input : A 100,A 50,A 25,A 12,A 6,B,B,B,A 76,B,A 61,B,A 1,B,B,A 6,A 11,B

5
5
5
2
3
4
4
4

Type here to search




 8:26 PM
9/5/2021

ข้อ 5

KCE_DS_Student

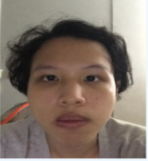
datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/5

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการศึกษานานาชาติ Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

You have got full mark !!!



กลุ่มที่ : 1
รหัสนักศึกษา : 63010279
นาย ณภัทร ชีวรัตน์กุลชัย
วิชาวรรณคอมพิวเตอร์

Last submission :

```
1 '''
2 * กลุ่มที่ : 21010001
3 * 63010279 ณภัทร ชีวรัตน์กุลชัย
4 * chapter : 3 item : 5 ครั้งที่ : 0001
5 * Assigned : Tuesday 31st of August 2021 09:29:11 PM --> Submission : Thursday 2nd of September 2021 05:01:20 AM
6 * Elapsed time : 1892 minutes.
7 * filename : 63010279_Lab3_5.py
8 '''
9 class Stack:
10     def __init__(self):
11         self.stack = list()
12     def push(self, value):
13         self.stack.append(value)
14     def kraitsadaLookback(self):
15         if len(self.stack) == 0:
```

Number of testcase : 11


Type here to search

8:26 PM 9/5/2021

KCE_DS_Student

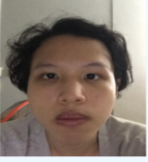
datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/5

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการศึกษานานาชาติ Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #1/11 1



กลุ่มที่ : 1
รหัสนักศึกษา : 63010279
นาย ณภัทร ชีวรัตน์กุลชัย
วิชาวรรณคอมพิวเตอร์

Enter Input : A 4,A 3,B,A 5,A 8,B
2
1

Enter Input : A 4,A 3,B,A 5,A 8,B
2
1

Testcase student: #2/11 2

Enter Input : A 4,A 3,B,S,B,A 5,A 8,B
2
1
1

Enter Input : A 4,A 3,B,S,B,A 5,A 8,B
2
1
1

Testcase student: #3/11 3

Enter Input : A 4,A 3,B,S,B,A 5,A 8,B,S,B
2

Enter Input : A 4,A 3,B,S,B,A 5,A 8,B,S,B
2


Type here to search

8:27 PM 9/5/2021

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/5

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์ Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #4/11 4 ✓

This testcase is hidden.

Testcase student: #5/11 5 ✓

```
Enter Input : A 4,A 3,B,S,B,A 5,A 6,B,S,B
2
1
1
2
```

```
Enter Input : A 4,A 3,B,S,B,A 5,A 6,B,S,B
2
1
1
2
```

Testcase student: #6/11 6 ✓

This testcase is hidden.


Type here to search

8:27 PM 9/5/2021

KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/5

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... ระบบการฝึกหัดออนไลน์ Cal Video Network

 Programming Lab Management System
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out

Testcase student: #7/11 7 ✓

```
Enter Input : S,S,S,B,B,A 6,S,S,S,S,S,S,S,B
0
0
1
```

```
Enter Input : S,S,S,B,B,A 6,S,S,S,S,S,S,S,B
0
0
1
```

Testcase student: #8/11 8 ✓

This testcase is hidden.

Testcase student: #9/11 9 ✓

```
Enter Input : A 10,A 9,A 8,A 7,B,S,B,A 7,A 1,B,A 50,A 31,S,S,S,S,B
4
2
4
2
```

```
Enter Input : A 10,A 9,A 8,A 7,B,S,B,A 7,A 1,B,A 50,A 31,S,S,S,S,B
4
2
4
2
```


Type here to search

8:27 PM 9/5/2021


KCE_DS_Student

datastruc.ce.kmitl.ac.th/21s1ds/index.php/student/lab_exercise/3/5

Google (111) YouTube Classes KMITL internet Office of the Regist... goedu Facebook Discrete Structure Pearson Sign In | Pearson En... รรพกรุงเทพคริสเตียน... Cal Video Network

 **Programming Lab Management System**
King Mongkut's Institute of Technology Ladkrabang

Home Exercise Edit profile Help Log out



กลุ่มที่ : 1
รหัสนักศึกษา : 63010279
นาย ณภัทร ชีราพัฒน์ชัย
ฤ
วิศวกรรมคอมพิวเตอร์

```
2
4
2
```

```
2
4
2
```

Testcase student: #10/11 10 ✓

This testcase is hidden.


Testcase student: #11/11 11 ✓


```
Enter Input : A 3,A 4,B,S,S,S,S,S,B
1
2
```

```
Enter Input : A 3,A 4,B,S,S,S,S,S,S,B
1
2
```

Page rendered in 0.0856 seconds. CodeIgniter Version 3.1.2 Sun Sep 5 08:20:49

Type here to search



 8:27 PM
9/5/2021