

*APCS*增能班

QUEUE AND STACK



QUEUE



FIFO

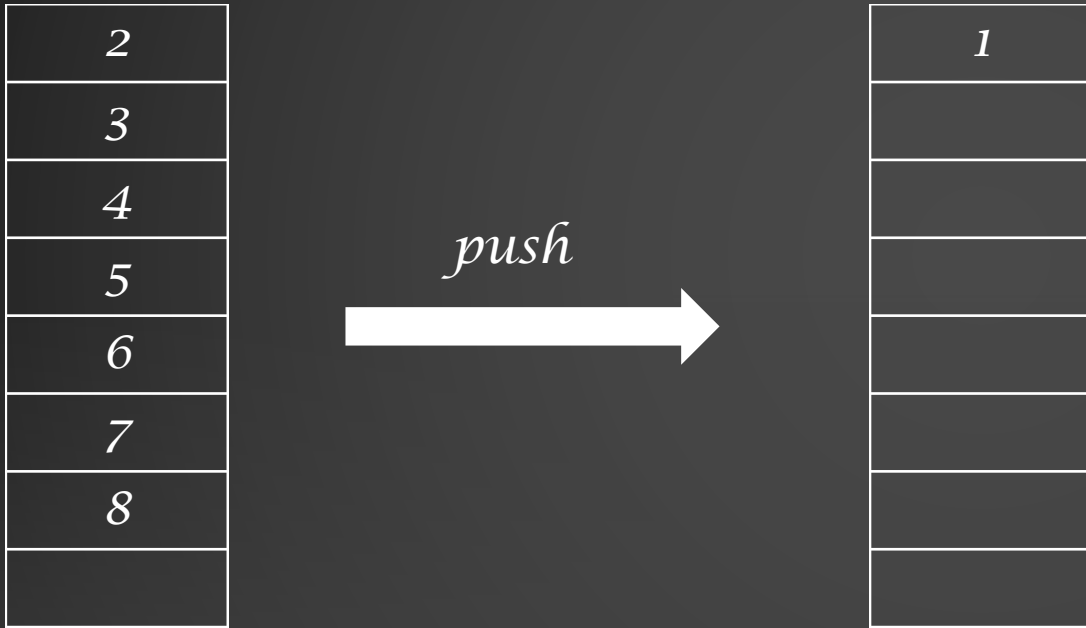
queue

1
2
3
4
5
6
7
8

[illegible]

FIFO

queue



FIFO

3
4
5
6
7
8

push



queue

1
2

FIFO

queue

3
4
5
6
7
8

2

pop



FIFO

4
5
6
7
8

push



queue

2
3

FIFO

queue

4
5
6
7
8

3

pop



FIFO

5
6
7
8

push



queue

3
4

FIFO

6
7
8

push



queue

3
4
5

FIFO

queue

7
8

push



3
4
5
6

FIFO

8

push



queue

3
4
5
6
7

FIFO

queue

push



3
4
5
6
7
8

FIFO

queue

4
5
6
7
8

pop



FIFO

queue

5
6
7
8

pop



FIFO

queue

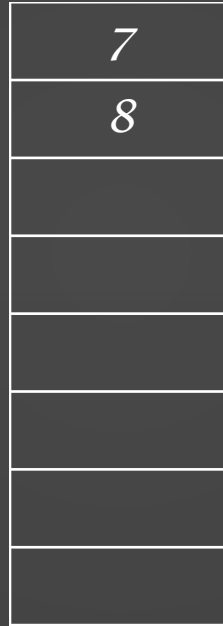
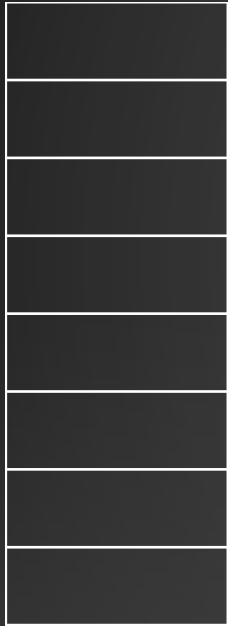
6
7
8

pop



FIFO

queue

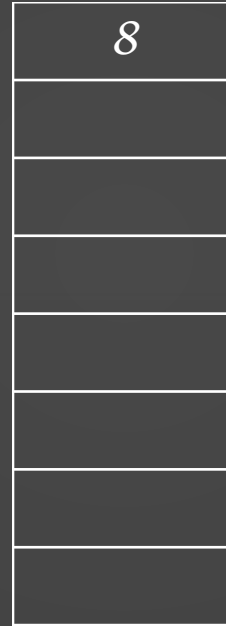
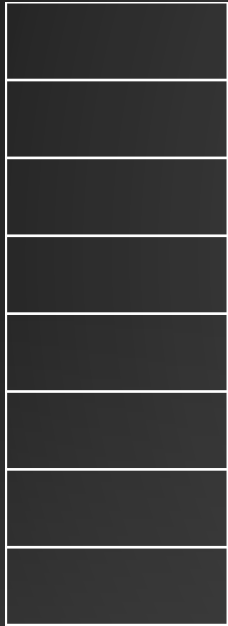


pop



FIFO

queue

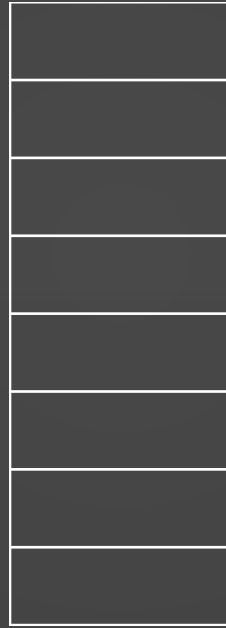
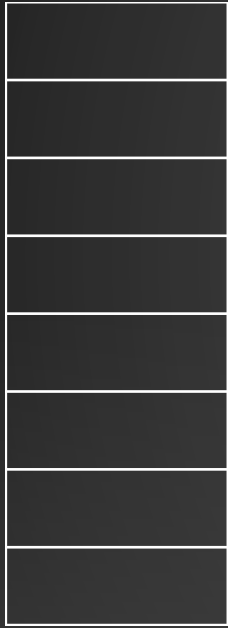


pop



FIFO

queue



pop



FUNCTION

- *size* - Return size
- *empty* - Test whether container is empty
- *front* - Access next element
- *back* - Access last element
- *push* - Insert element
- *pop* - Remove next element



STACK



LIFO

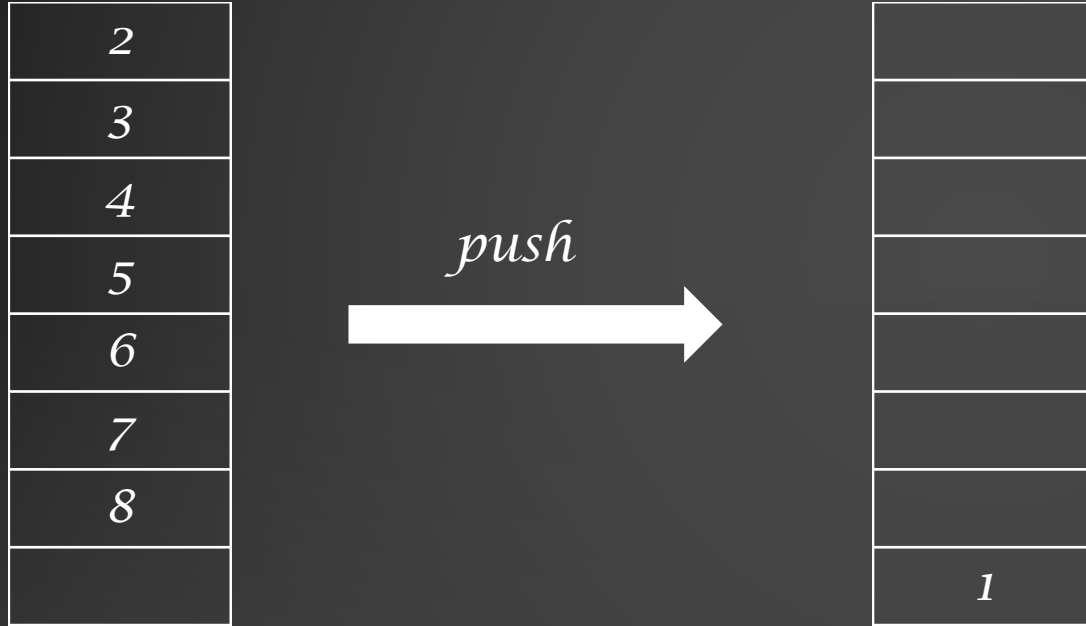
stack

1
2
3
4
5
6
7
8

[illegible]

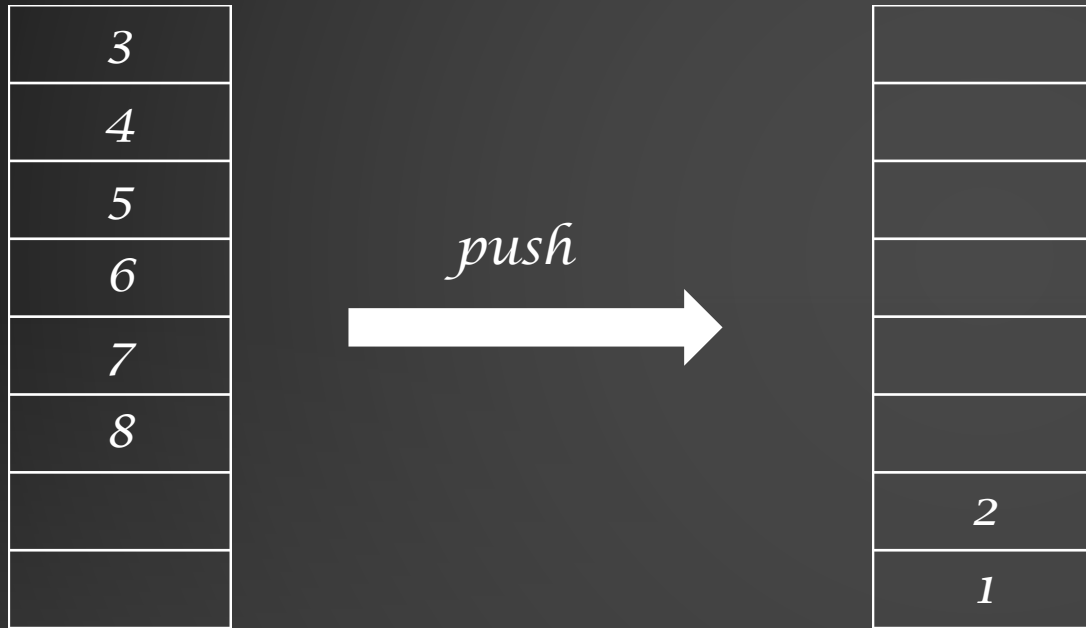
LIFO

stack



LIFO

stack



LIFO

stack

4
5
6
7
8

push



3
2
1

LIFO

stack

4
5
6
7
8

2
1

pop



LIFO

stack

5
6
7
8

push



4
2
1

LIFO

stack

5
6
7
8

2
1

pop



LIFO

stack

6
7
8

push



5
2
1

LIFO

stack

7
8

push



6
5
2
1

LIFO

stack

7
8

5
2
1

pop



LIFO

stack

7
8

2
1

pop



LIFO

stack

7
8

1

pop



LIFO

stack

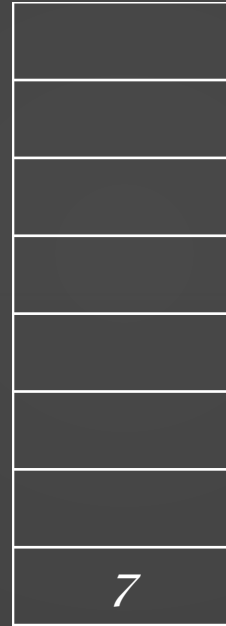
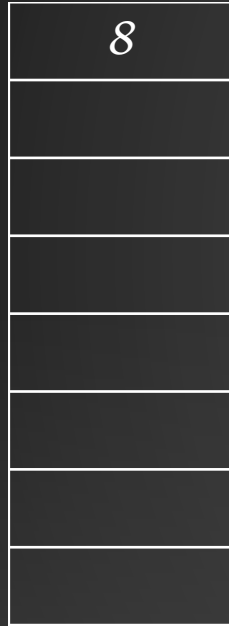
7
8

pop



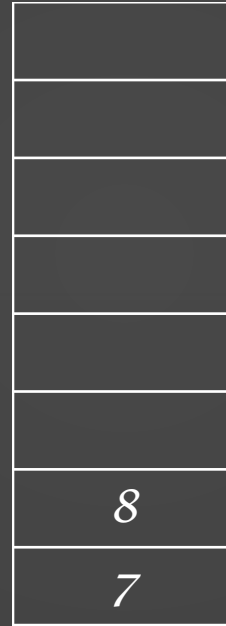
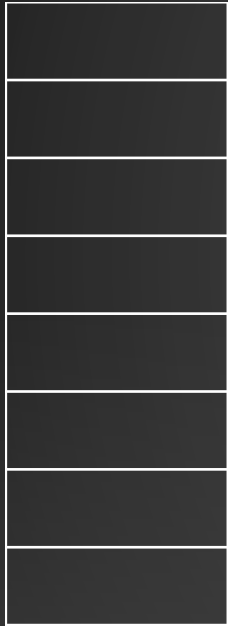
LIFO

stack



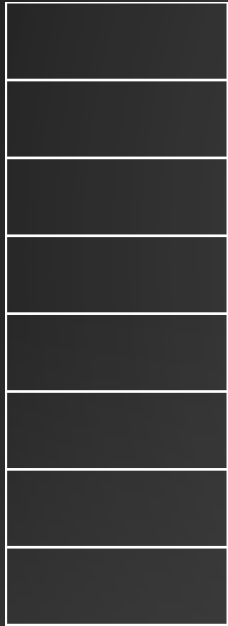
LIFO

stack



LIFO

stack

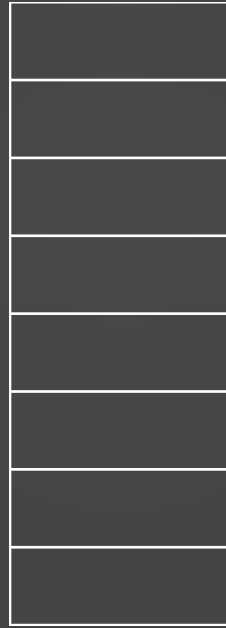
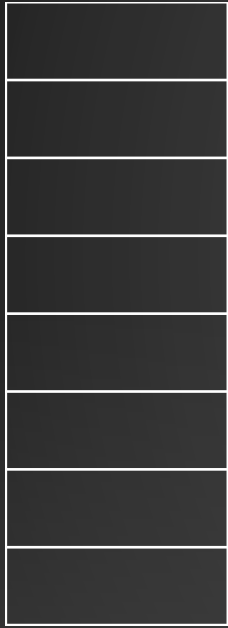


pop



LIFO

stack



pop



FUNCTION

- *size* - Return size
- *empty* - Test whether container is empty
- *top* - Access top element
- *push* - Insert element
- *pop* - Remove top element



FUNCTION

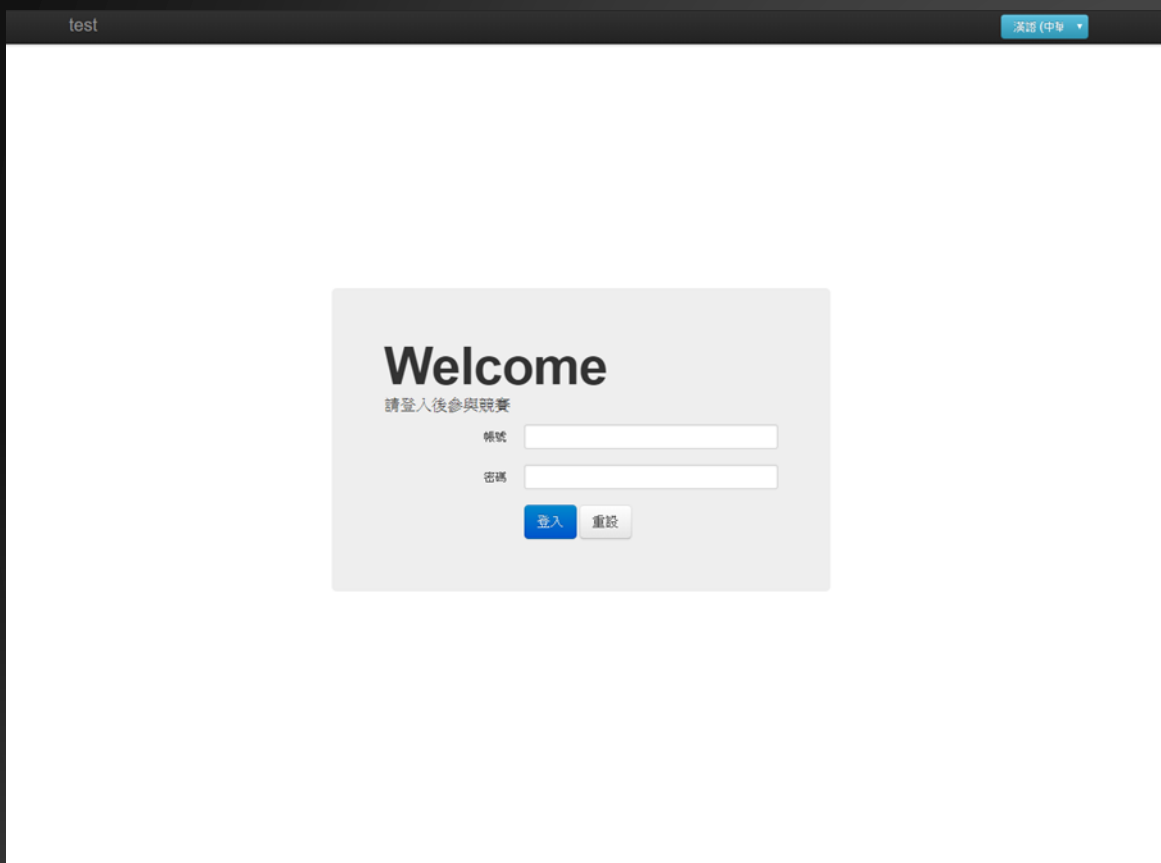
QUEUE

- *size* - Return size
- *empty* - Test whether container is empty
- *front* - Access next element
- *back* - Access last element
- *push* - Insert element
- *pop* - Remove next element

STACK

- *size* - Return size
- *empty* - Test whether container is empty
- *top* - Access top element
- *push* - Insert element
- *pop* - Remove top element

測驗



The screenshot shows a web browser window with a dark header bar containing the text 'test' on the left and a language dropdown menu '英語 (中華)' on the right. The main content area is white and features a light gray rectangular box in the center. Inside this box, the word 'Welcome' is displayed in a large, bold, black font. Below it, the text '請登入後參與競賽' (Please log in to participate in the competition) is shown in a smaller font. There are two input fields: the first is labeled '帳號' (Username) and the second is labeled '密碼' (Password). Below the password field are two buttons: a blue button labeled '登入' (Login) and a gray button labeled '重設' (Reset).

- 進入測驗網站
- 帳號與密碼皆為您的學號

