先用 make 編譯出執行檔，然後記得把測資放進資料夾，建議取名為 dataset.txt，這樣就跟範例的操作一模一樣。可以參考「資料結構程式作業 3 範例測資」的操作。以下為實際操作的截圖可以參考，另外，因為我不喜歡中文，所以我的全部輸出都是英文。

```
[uchow_macbookair@MacBook-Air-8 41147011S_HW3 % make
gcc hw0301.c -o hw0301
[uchow_macbookair@MacBook-Air-8 41147011S_HW3 % ./hw0301

Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 1
input file path: ./dataset.txt

Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 2
input ID: 24

Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 2
input ID: 60
```

```
Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 3
input ID: 35

Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 3
input ID: 60

Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 3
input ID: 14
```

```
Menu:
     (1) Read dataset
     (2) Insert a new node
     (3) Delete a node
     (4) Search for a node
     (5) In-order traversal
     (6) Compute balance factor
     (7) Find the k-th Smallest Element
     (8) Exit
Enter option: 3
input ID: 26
output: not found

Menu:
     (1) Read dataset
     (2) Insert a new node
     (3) Delete a node
     (4) Search for a node
     (5) In-order traversal
     (6) Compute balance factor
     (7) Find the k-th Smallest Element
     (8) Exit
Enter option: 4
input ID: 34
output: find it

Menu:
     (1) Read dataset
     (2) Insert a new node
     (3) Delete a node
     (4) Search for a node
     (5) In-order traversal
     (6) Compute balance factor
     (7) Find the k-th Smallest Element
     (8) Exit
Enter option: 4
input ID: 40
output: not found
```

```
Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 5
output: 3 11 16 17 20 24 25 27 28 32 33 34 38 42 45 55 56 57 58

Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 6
input ID: 11
output: 1

Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 6
input ID: 32
output: -1
```

```
Menu:
     (1) Read dataset
     (2) Insert a new node
     (3) Delete a node
     (4) Search for a node
     (5) In-order traversal
     (6) Compute balance factor
     (7) Find the k-th Smallest Element
     (8) Exit
Enter option: 6
input ID: 25
output: -3

Menu:
     (1) Read dataset
     (2) Insert a new node
     (3) Delete a node
     (4) Search for a node
     (5) In-order traversal
     (6) Compute balance factor
     (7) Find the k-th Smallest Element
     (8) Exit
Enter option: 7
input k: 5
output: 20

Menu:
     (1) Read dataset
     (2) Insert a new node
     (3) Delete a node
     (4) Search for a node
     (5) In-order traversal
     (6) Compute balance factor
     (7) Find the k-th Smallest Element
     (8) Exit
Enter option: 7
input k: 18
output: 57
```

```
Menu:
    (1) Read dataset
    (2) Insert a new node
    (3) Delete a node
    (4) Search for a node
    (5) In-order traversal
    (6) Compute balance factor
    (7) Find the k-th Smallest Element
    (8) Exit
Enter option: 8
EXIT
```