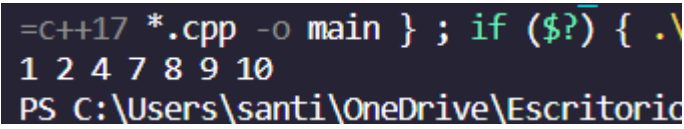


## Test cases

- Exchange Sort


- o Case 1: {1, 4, 2, 9, 7, 8, 10}

Expected: 1 2 4 7 8 9 10

Given: 

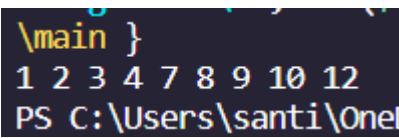
- o Case 2: {12, 1, 4, 2, 9, 7, 8, 10}

Expected: 1 2 4 7 8 9 10 12

Given: 

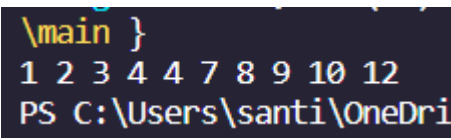
- o Case 3: {12, 1, 4, 2, 9, 7, 8, 10, 3}

Expected: 1 2 3 4 7 8 9 10 12

Given: 

- o Case 4: {12, 1, 4, 2, 9, 7, 8, 10, 3, 4}

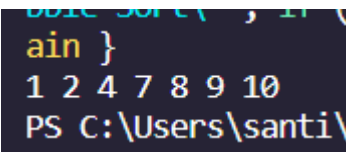
Expected: 1 2 3 4 4 7 8 9 10 12

Given: 

- Bubble Sort

- o Case 1: {1, 4, 2, 9, 7, 8, 10}

Expected: 1 2 4 7 8 9 10

Given: 

- o Case 2: {12, 1, 4, 2, 9, 7, 8, 10}

Expected: 1 2 4 7 8 9 10 12

Given:

```
emestres\3\PRODASFA\
1 2 4 7 8 9 10 12
PS C:\Users\santi\On
```

- o Case 3: {12, 1, 4, 2, 9, 7, 8, 10, 3}

Expected: 1 2 3 4 7 8 9 10 12

Given:

```
mestres\3\PRODASFA\S
1 2 3 4 7 8 9 10 12
PS C:\Users\santi\On
```

- o Case 4: {12, 1, 4, 2, 9, 7, 8, 10, 3, 4}

Expected: 1 2 3 4 4 7 8 9 10 12

Given:

```
emestres\3\PRODASFA\S3\
1 2 3 4 4 7 8 9 10 12
PS C:\Users\santi\OneDr
```

- Merge Sort

- o Case 1: {1, 4, 2, 9, 7, 8, 10}

Expected: 1 2 4 7 8 9 10

Given:

```
emestres\3\PRODASFA\
1 2 4 7 8 9 10
PS C:\Users\santi\On
```

- o Case 2: {12, 1, 4, 2, 9, 7, 8, 10}

Expected: 1 2 4 7 8 9 10 12

Given:

```
mestres\3\PRODASFA\
1 2 4 7 8 9 10 12
PS C:\Users\santi\O
```

- o Case 3: {12, 1, 4, 2, 9, 7, 8, 10, 3}

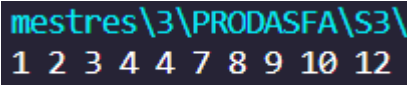
Expected: 1 2 3 4 7 8 9 10 12

Given:

```
emestres\3\PRODASFA\
1 2 3 4 7 8 9 10 12
PS C:\Users\santi\On
```

- o Case 4: {12, 1, 4, 2, 9, 7, 8, 10, 3, 4}

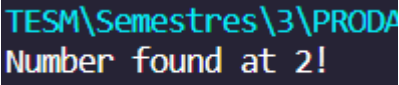
Expected: 1 2 3 4 4 7 8 9 10 12

Given:   
PS C:\Users\santi\OneD

- Sequential Search

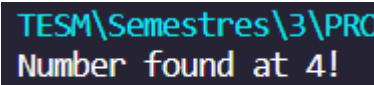
- o Case 1: 2; {1, 4, 2, 9, 7, 8, 10}

Expected: Number found at 2!

Given:   
PS C:\Users\santi\OneD

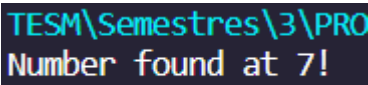
- o Case 2: 7; {1, 4, 2, 9, 7, 8, 10, 11}

Expected: Number found at 4!

Given:   
PS C:\Users\santi\On

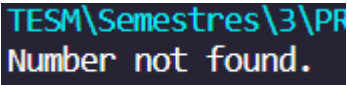
- o Case 3: 11; {1, 4, 2, 9, 7, 8, 10, 11}

Expected: Number found at 7!

Given:   
PS C:\Users\santi\On

- o Case 4: 5; {1, 4, 2, 9, 7, 8, 10, 11}

Expected: Number not found.

Given:   
PS C:\Users\santi\O

- Binary Search (Sorts the vector and then does the search)

- o Case 1: 2; {1, 4, 2, 9, 7, 8, 10}

Expected: Number found at 1!

Given:

```
TESM\Semestres\3\PRO
Number found at 1!
PS C:\Users\santi\On
```

- o Case 2: 7; {1, 4, 2, 9, 7, 8, 10, 11}

Expected: Number found at 3!

Given:

```
\Semestres\3\PRODASF
Number found at 3!
PS C:\Users\santi\On
```

- o Case 3: 11; {1, 4, 2, 9, 7, 8, 10, 11}

Expected: Number found at 7!

Given:

```
\Semestres\3\PRODASF
Number found at 7!
PS C:\Users\santi\On
```

- o Case 4: 5; {1, 4, 2, 9, 7, 8, 10, 11}

Expected: Number not found.

Given:

```
\Semestres\3\PRODAS
Number not found.
PS C:\Users\santi\O
```