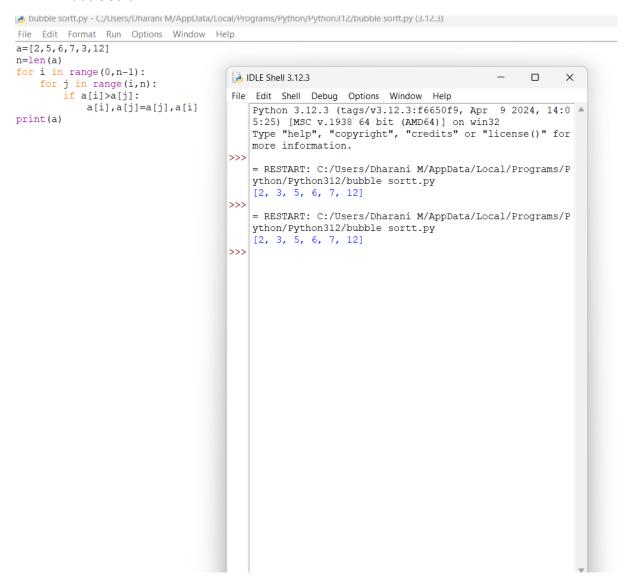
1. Selection Sort

9th.py - C:\Users\Dharani M\AppData\Local\Programs\Python\Python312\9th.py (3.12.3) File Edit Format Run Options Window Help arr=[2,26,24,12] n=len(arr) for i in range(n-1): Page 10 IDLE Shell 3.12.3 - - \times min=i for j in range(i+1,n): File Edit Shell Debug Options Window Help if arr[j]<arr[min]:</pre> Python 3.12.3 (tags/v3.12.3:f6650f9, Apr 9 2024, 14 min=j :05:25) [MSC v.1938 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" f if min!=i: temp=arr[min] or more information. arr[min]=arr[i] arr[i]=temp = RESTART: C:\Users\Dharani M\AppData\Local\Programs print(arr) \Python\Python312\9th.py Sorted array: [11, 12, 22, 25, 64] == RESTART: C:\Users\Dharani M\AppData\Local\Program s\Python\Python312\9th.py == Sorted array: [2, 6, 15, 24, 26] >>> == RESTART: C:\Users\Dharani M\AppData\Local\Program s\Python\Python312\9th.py == [2, 12, 24, 26] >>> == RESTART: C:\Users\Dharani M\AppData\Local\Program s\Python\Python312\9th.py == [2, 12, 24, 26] >>>

2. Bubble Sort



3. Insertion sort

4. Sequential Search

```
### Sequentially - Culter/Dharmal MArgoplatalocal/Programs/Python312\sequential.py (3.12.3)

file Edit Format Run Options Window Help

arr = [5, 3, 7, 1.9, 2]

target = 11

found = Palse

for index, element in enumerate(arr):

if example in enumerate (arr):

if cound = Title

break

if found:

print(f"Element (target) found at index (index).")

print(f"Element (target) not found in the list."))

### Edit Shell Debug Options Window Help

### Edit Shell Debug Options Window Help

### Python 3.12.3 (tags/v3.12.3):f685091, Apr 9 2024, 14:05:25) [Msc v.1938 64 bit (MMD64)] on win32

### Sype = halp, "copyrighty", "credits" or "license()" for more information.

### ESTART: C:\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users\Users
```

5.Brute-Force String Matching

```
As seq instring.by -C/Users/Dhanain M/AppDtata/coul/Programs/Python/Python312/seq in string.py (3.12.3)

File Edit Format Run Options Window Help

arr = ["apple", "banana", "straw/bwerry", "papaya", "pomogranate", "grapes"]

target = "banana"

found = False

if cluend = True

if cluend = True

if found:

print(f"Element '(target)' (index)")

else:

print(f"Element '(target)' not found ")

| DUE Shell 3.12.3 | (targs/v3.12.3:f6550f9, Apr 9 2024, 14:05:25) [MSC v.1938 of this (ABMG4)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

= RESTARC: C:/Users/Dhanani M/AppData/Local/Programs/Fython/Fython312/se q in string.py
| Sammana | 1 |
```

6.Closest-Pair

8. Exhaustive Search