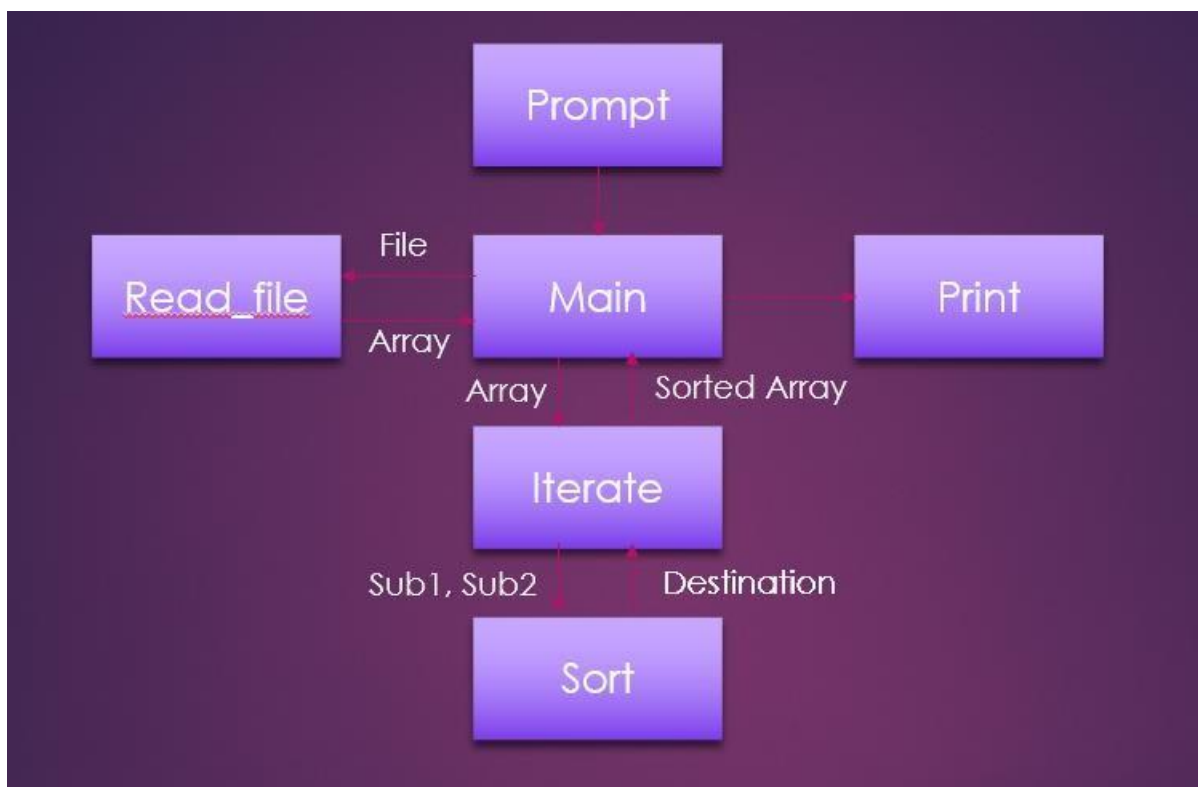


1. Name:
Penelope Sanchez
#2. Assignment Name:
W10 Lab: Segregation Sort Design
#3. Assignment Description:
Design the segregation sort algorithm.
4. What was the hardest part? Be as specific as possible.
Create the Structure Chart
5. How long did it take for you to complete the assignment?
4 hrs

Structure Chart



Pseudocode

```
array: sortable values len:  
length (-1,0,-1):  
  range(num):  
    if numbers[i]>numbers[i+1]:  
      value -> numbers[i]  
      numbers[i] -> numbers[i+1]  
      numbers[i+1] -> value
```

```
array: sortable values len:
length (-1,0,-1):max -> 0
    for position in range(1,num+1):
        if numbers[position]>numbers[max]:
            max -> position

    value -> numbers[num]
    numbers[num] -> numbers[max]
    numbers[max] -> value
```

```
While -> return list of numbers
    numbers -> []
    end While
        num -> 0
    while num !=> -1:
        num -> int(input())
        if num !=> -1:
            numbers.append(num)
        end While
    return numbers
```

```
def display(numbers):
    print("The list is:")
    for num in numbers:
        print(num)
```