



SNS College of Engineering
Department of Information Technology
Minimum of n numbers

Presented By
M.Malarmathi
AP/IT



Algorithm

Step 1: Start the program

Step 2: Declare the variable called size

Step 3: Get the number of elements in size

Step 4: Create the list lst []

Step 5: Store the elements

```
for i in range (0, size):  
    lst.append(int(input()))
```

Step 6: Display elements

Step 7: Set min=lst

```
for i in range (0, size):  
    if lst[i]<min:  
        min = lst [i]
```

Step 8: Display result in minimum

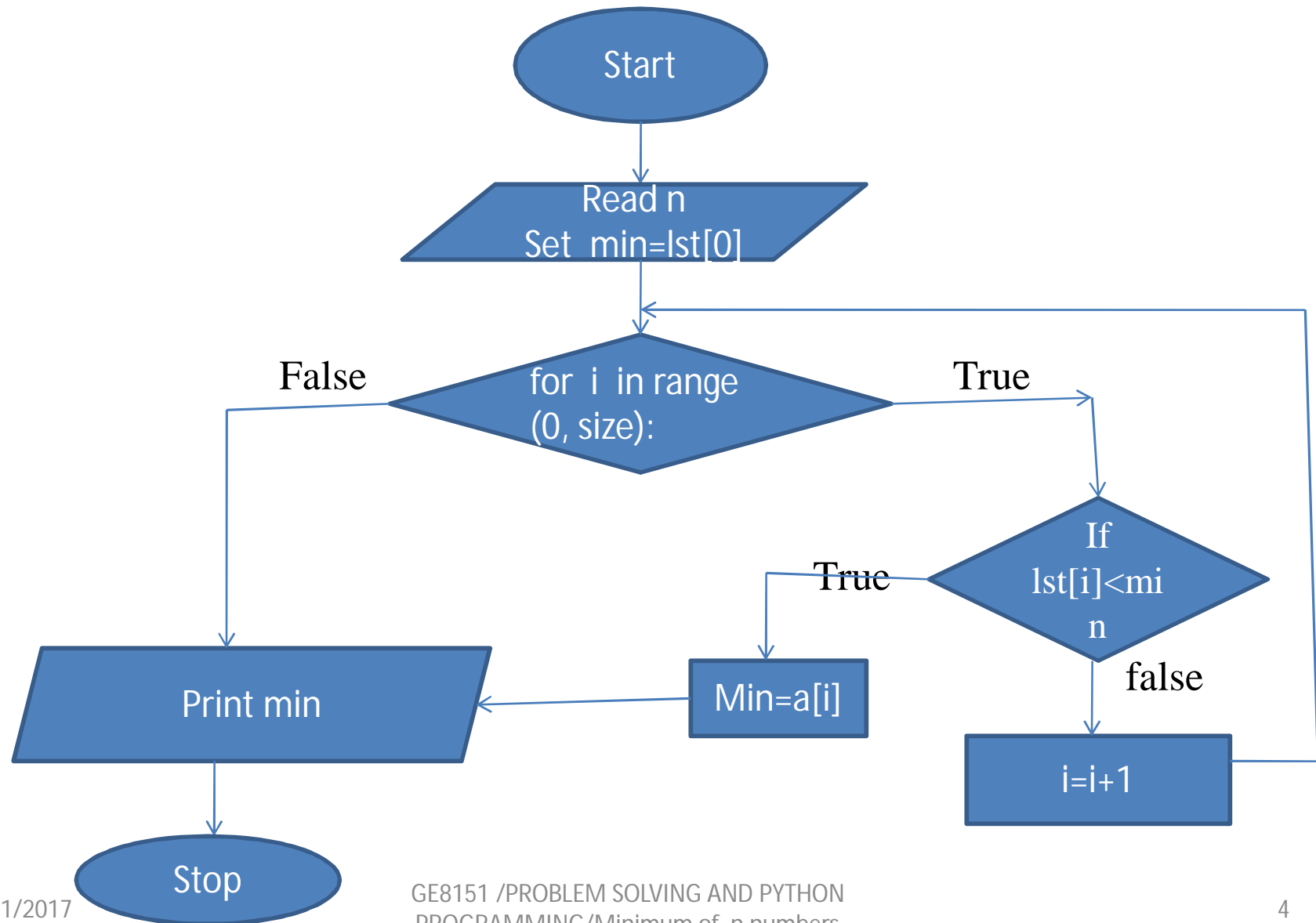
Step 9: Stop the program



Pseudocode

```
SET size
CREATE lst
READ elements in size
Store element in list
    for i in range (0, size):
        lst.append(int(input()))
DISPLAY elements
SET min=lst
for i in range (0, size):
    if lst[i]<min:
        min = lst [i]
PRINT min
```

Flow chart





Implementation(Program)

```
size=int(input("enter the number of elements:"))
lst=[]
print("Enter the elements:")
for i in range (0, size):
    lst.append(int(input()))
print("the elements of the list are:",lst)
min=lst[0]
for i in range (0, size):
    if lst[i]<min:
        min = lst [i]
        i=i+1
print("The minimum element is:",min )
```



Output

enter the number of elements:5

Enter the elements:

5

1

7

2

9

the elements of the list are: [5, 1, 7, 2, 9]

The minimum element is: 1

Thank you