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|  | **DAILY ONLINE ACTIVITIES SUMMARY**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Date:** | **18/06/2020** | | | | | **Name:** | **Shone K Sunny** | | | **Sem & Sec** | **8th sem,A** | | | | | **USN:** | **4AL14CS081** | | | **Online Test Summary** | | | | | | | | | | **Subject** | | **SMS** | | | | | | | | **Max. Marks** | | **60** | | **Score** | | | **Not Received Mail** | | | **Certification Course Summary** | | | | | | | | | | **Course** | **AI: Computer Vision Essentials** | | | | | | | | | **Certificate Provider** | | | **Great Learning**  **Academy** | | **Duration** | | | **5hr** | | **Coding Challenges** | | | | | | | | | | **Problem Statement: 1. Find smallest number in an given array.** | | | | | | | | | | **Status: Solved** | | | | | | | | | | **Uploaded the report in Github** | | | | | **Yes** | | | | | **If yes Repository name** | | | | | **shonekks** | | | | | **Uploaded the report in slack** | | | | | **Yes** | | | |   Online Test Details: (Attach the snapshot and briefly write the report for the same)  Certification Course Details: (Attach the snapshot and briefly write the report for the same    Coding Challenges Details: (Attach the snapshot and briefly write the report for the same) |
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Program 1:

Find smallest number in an given array.

def findSmallest(arr, n):

res = 1 #Initialize result

# Traverse the array and increment

# 'res' if arr[i] is smaller than

# or equal to 'res'.

for i in range (0, n ):

if arr[i] <= res:

res = res + arr[i]

else:

break

return res

# Driver program to test above function

arr1 = [1, 3, 4, 5]

n1 = len(arr1)

print(findSmallest(arr1, n1))

arr2= [1, 2, 6, 10, 11, 15]

n2 = len(arr2)

print(findSmallest(arr2, n2))

arr3= [1, 1, 1, 1]

n3 = len(arr3)

print(findSmallest(arr3, n3))

arr4 = [1, 1, 3, 4]

n4 = len(arr4)

print(findSmallest(arr4, n4))