

## CSE331 PS #3

*Instructor:* Dr. Alp Arslan Bayrakçi*Assistant:* Gizem Süngü**Problem 1**

(0 points)

Given an array A of size N of integers where  $3 \leq N \leq 10$ . Your task is to find the minimum and maximum elements in the array. Each element  $i$  in the given array should be between 1 and 100 ( $1 \leq i \leq 100$ ).

```
int a[1000], i, n, min, max;
printf("Enter size of the array : ");
scanf("%d",&n);
printf("Enter elements in array : ");
for  $i \leftarrow 0$  to  $n$  do
    | scanf("%d",&a[i]);
end
min=max=a[0];
for  $i \leftarrow 0$  to  $n$  do
    | if  $min > a[i]$  then
    |   | min = a[i];
    | end
    | if  $max < a[i]$  then
    |   | max = a[i];
    | end
end
printf("minimum of array is : %d",min);
printf("maximum of array is : %d",max);
return 0;
```

**Algorithm 1:** C Pseudocode of the problem