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2020BTEIT00050
COURSE: PC
Finding the maximum number from given 'n' numbers sequential code

```c
#include<stdio.h>
#include<stdlib.h>

#include<time.h>

#include<limits.h>

int main(){

  int size;
  printf("Enter size of array -> ");
  scanf("%d", &size);


  int *arr = (int*)malloc(size*sizeof(int));
  srand(time(NULL));


  int max_num = INT_MIN;


  for(int i=0; i<size; i++){
    arr[i]=rand()%100;
    printf("%d, ",arr[i]);
  }


  for(int i=0; i<size; i++){
    if(max_num<arr[i]){
      max_num = arr[i];
    }
  }

  printf("\n Maximum Element: %d", max_num);
  return 0;
```
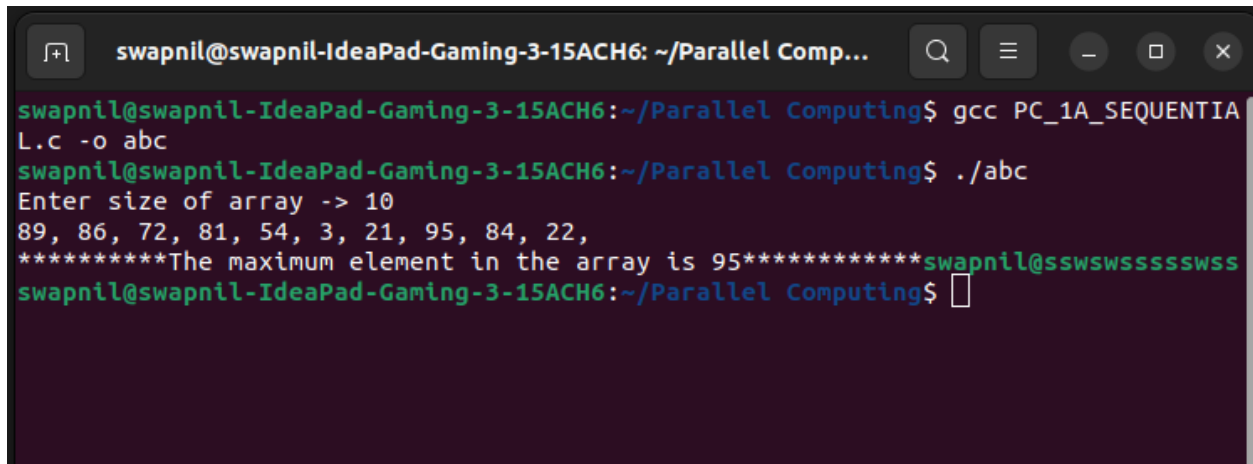
}


**OUTPUT:**



```
swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing$ gcc PC_1A_SEQUENTIA
L.c -o abc
swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing$ ./abc
Enter size of array -> 10
89, 86, 72, 81, 54, 3, 21, 95, 84, 22,
**********The maximum element in the array is 95************swapnil@sswswsssswss
swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing$
```