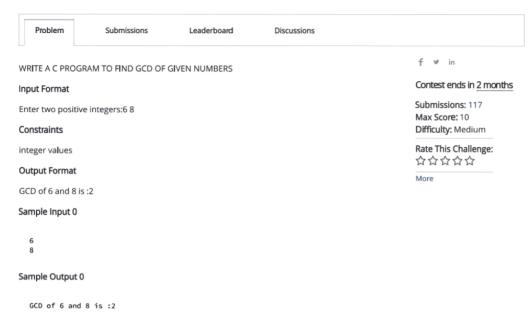
All Contests > CSE PSP LAB PROGRAMS > SRIT_GCD PROGRAM

SRIT_GCD PROGRAM

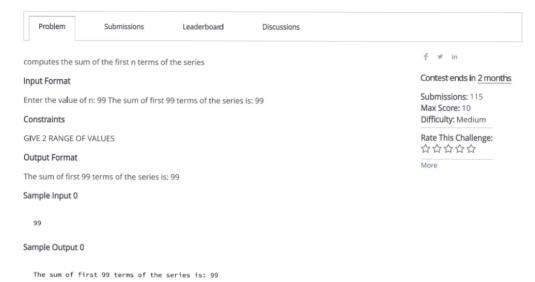


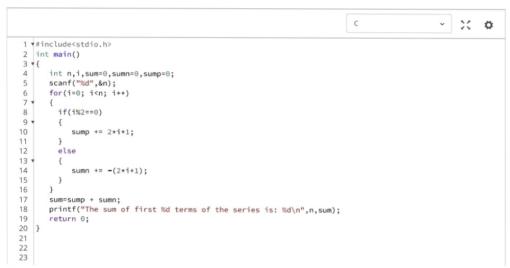
```
С
                                                                                                                20
 1 ▼#include <stdio.h>
 2 int main()
 3 ▼{
        int n1, n2;
scanf("%d %d",&n1,&n2);
 4
 5
        n1 = ( n1 > 0) ? n1 : -n1;
n2 = ( n2 > 0) ? n2 : -n2;
 9
         while(n1!=n2)
10
11
12
             if(n1 > n2)
13
                 n1 -= n2;
             else
14
15
                  n2 -= n1;
16
17
         printf("GCD of 6 and 8 is :%d",n1);
18
19
     ackerrank.com/contests/cse-psp-lab-programs/challenges/srit-gcd-program/copy-from/1356002743
                                                                                                                             1/2
```

```
2/8/23, 5:33 PM
                                       SRIT_GCD PROGRAM | CSE PSP LAB PROGRAMS Question | Contests | HackerRank
                                                                                                                     Line: 1 Col: 1
   ♣ Upload Code as File  Test against custom input
                                                                                                      Run Code
                                                                                                                     Submit Code
     Testcase 0 ✓
     Congratulations, you passed the sample test case.
     Click the Submit Code button to run your code against all the test cases.
     Input (stdin)
     Your Output (stdout)
      GCD of 6 and 8 is :2
     Expected Output
      GCD of 6 and 8 is :2
```

All Contests > CSE PSP LAB PROGRAMS > SRIT_SUM OF FIRST N TERMS OF THE SERIES

SRIT_SUM OF FIRST N TERMS OF THE **SERIES**





https://www.hackerrank.com/contests/cse-psp-lab-programs/challenges/srit-sum-of-first-n-terms-of-the-series/copy-from/1355314088

1/2



1/25/23, 9:48 PM SRIT_sum of the three most recent predecessors. | CSE PSP LAB PROGRAMS Question | Contests | HackerRank

PREPARE CERTIFY COMPETE Q Search Q 2/24g1a0515 > COMPETE Q Search Q 2/24g1a0515 > COMPETE Q 2/24g1a0515 > COMPETE Q 3/24g1a0515 > COMPETE Q 3/24g1

All Contests > CSE PSP LAB PROGRAMS > SRIT_sum of the three most recent predecessors.

SRIT_sum of the three most recent predecessors.



1/25/23, 9-48 PM

SRIT_sum of the three most recent predecessors. | CSE PSP LAB PROGRAMS Question | Contests | HackerRank

18
19

Line: 1 Col: 1

Line: 1 Col: 1

Line: 1 Col: 1

Line: 1 Col: 1

Congratulations, you passed the sample test case.
Click the Submit Code button to run your code against all the test cases.
Input (stdin)

7

Your Output (stdout)

First 7 terms in the series are:
0
1
2
4
7
13

Expected Output

First 7 terms in the series are:
0
1
1
2
4
7
13

13

13

1/25/23, 9:50 PM SRIT_sum of the factorials of numbers between m and n | CSE PSP LAB PROGRAMS Question | Contests | HackerRank

PREPARE CERTIFY COMPETE Q Search Q 224g1a0515 >

All Contests > CSE PSP LAB PROGRAMS > SRIT_sum of the factorials of numbers between m and n

SRIT_sum of the factorials of numbers between m and n



Congratulations, you passed the sample test case.

Click the Submit Code button to run your code against all the test cases.

Input (stdin)

4
6

Your Output (stdout)

Sum of factorials of numbers between 4 and 6 is 864

Expected Output

Sum of factorials of numbers between 4 and 6 is 864

SRIT_finds the sum of the infinite series



https://www.hackerrank.com/contests/cse-psp-lab-programs/challenges/srit-finds-the-sum-of-the-infinite-series/copy-from/1355314516

1/2

```
1/25/23, 9:52 PM
                                     SRIT_finds the sum of the infinite series | CSE PSP LAB PROGRAMS Question | Contests | HackerRank
                      fact=fact*m;
      26
27
                      k=-(pow(x,i))/fact;
                     sum=sum+k;
      28
29
30
31
32
33
34
35
36
37
38
39
                     i=i+2;
          printf("sum = %f",sum);
return 0;
}
                                                                                                                                        Line: 1 Col: 1
   <u>1</u> Upload Code as File ☐ Test against custom input
                                                                                                                                    Submit Code
      Congratulations, you passed the sample test case.
      Click the Submit Code button to run your code against all the test cases.
      Input (stdin)
      4 5
      Your Output (stdout)
```

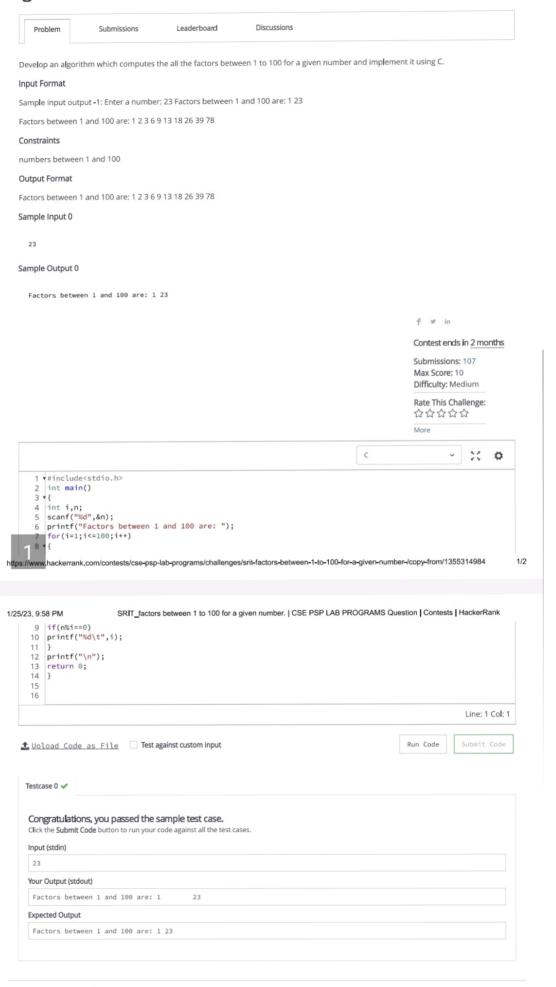
Interview Prep | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy |

All Contests > CSE PSP LAB PROGRAMS > SRIT_Kth smallest number among the given one dimensional array Your SRIT_Kth smallest number among the given one dimensional array submission got 10.00 points. Try the Next Challenge | Contest Leaderboard SRIT_Kth smallest number among the given one dimensional array Problem Submissions Leaderboard Discussions finds the Kth smallest number among the given one dimensional array Enter how many values you want to read: 5 Enter the value of a[0]: 20 Enter the value of a[1]: 30 Enter the value of a[2]: 16 Enter the value of a[3]: 15 Enter the value of a[4]: 1 Constraints Enter 5 values Enter which smallest element you want: 2 16 is the 2th smallest element Sample Input 0 Sample Output 0 16 is the 2th smallest element Contest ends in 2 months Max Score: 10 Difficulty: Medium Rate This Challenge: 수수수수수 C · >: • 1 ##include<stdio.h> llest-number-among-the-given-one-dimensional-array/copy-from/1... 1/25/23, 9:56 PM SRIT_Kth smallest number among the given one dimensional array | CSE PSP LAB PROGRAMS Question | Contests | HackerRa... 2 #define MAX 100 3 int main() 3 int main()
4 *{
5 *int a[MAX],i,n,j,kth,temp,pos;
6 scanf("%d",&n);
7 for(i=0; i<n; i++)
8 *{</pre> 9 \scanf("%d",&a[i]);
10 }
11 scanf("%d",&kth);
12 for(i=0; i<n; i++)
13 \{
14 pos=i;
15 for(j=i+1; j<n; j++)
16 \if(a[j]<a[pos])
17 \{
18 pos=j;
19 }
20 \temp=a[i];
21 \ali[j]=a[pos];
22 \alpos[j]=temp;
23 }
24 \printf("%d is the %dth smallest element",a[kth],kth);
return 0;</pre> 9 scanf("%d",&a[i]); Line: 1 Col: 1 ± Upload Code as File ☐ Test against custom input Run Code Submit Code Testcase 0 ✓ Congratulations, you passed the sample test case.

Click the Submit Code button to run your code against all the test cases. Input (stdin) 20 30 16 15 1 16 is the 2th smallest element **Expected Output** 16 is the 2th smallest element

SRIT_factors between 1 to 100 for a

given number.



SRIT_Illustrate the use of register variables

Problem Submissions Leaderboard Discussions				
can use the register storage class when you want to store local variables within function equick access to these variables. For example, "counters" are a good candidate to be stelare a register storage class. The variables declared using register storage class has auto storage class. The variable is limited to the particular block. The only difference is a restored inside CPU registers instead of a memory. Register has faster access than	stored in the regis lifespan througho s that the variable	iter. The keywo ut the progran s declared usin	rd register n. I t is simi	is us lar to
at Format	triat of the main	memory.		
ptr = &weight				
straints				
ster variab l e				
out Format				
default weight value is: 189742248				
ple Input 0				
s				
ple Output 0				
nt *ptr = &weight				
		f ⊌ ir		
		Contest e	***************************************	onths
		Submission Max Score Difficulty:	: 10	
		Rate This		
		More		
1 v#include <stdio.h> www.hackerrank.com/contests/cse-psp-lab-programs/challenges/sril-illustrate-the-use-of-regi</stdio.h>	ster-variables/copy	-from/13553150	81	٥
9.59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P Int main()	ster-variables/copy		81	
	ster-variables/copy		81	k
9.59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P int main() * register int weight; // Declare a register variable weight of type wight=65; printf("int *ptr = &weight"); 7 return 0; 8 }	ster-variables/copy		81 HackerRani	k
9:59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P 2	ster-variables/copy	on Contests H	81 tackerRani	k
9:59 PM SRIT_Illustrate the use of register variables CSE PSP LAB Plant main() 3 * (4 register int weight; // Declare a register variable weight of type weight=65; 6 printf("int *ptr = &weight"); 7 return 0; 8 } 9 10 10 10 10 10 10 10 10 10 10 10 10 10	ster-variables/copy	on Contests H	81 tackerRani	k
9:59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P 2 int main() 3 *{ 4 register int weight; // Declare a register variable weight of type weight=65; 6 printf("int *ptr = &weight"); 7 return 0; 8 9 9 10 11 10 11 10 11 11 11	ster-variables/copy	on Contests H	81 tackerRani	i Cod
9:59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P 2 int main() 3 4 4 register int weight; // Declare a register variable weight of type weight=65; printf("int *ptr = &weight"); 7 return 0; 8 8 9 0 1 1 1 1 1 2 Int main() 3 4 4 register int weight; // Declare a register variable weight of type weight=65; printf("int *ptr = &weight"); 7 return 0; 8 9 3 1 1 1 4 Test against custom input 5 Strase 0 4 5 Strase 0 5 6 Strase 0 6 Test against all the test case. 6 Strase 0 7 Test against all the test case. 7 Strase 0 7 Test against all the test case. 8 Solution.c: In function 'main':	ster-variables/copy	on Contests H	81 tackerRani	i Cod
9:59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P 2 int main() 3 *{ 4 register int weight; // Declare a register variable weight of type weight=65; 6 printf("int *ptr = &weight"); 7 return 0; 8 9 9 10 11 10 Congratulations, you passed the sample test case. 10 Ick the Submit Code button to run your code against all the test cases. 11 complete Message 12 Solution.c: In function 'main': Solution.c:4:14: warning: variable 'weight' set but not used [-Munused-but-register int weight; // Declare a register variable weight of type int.	ster-variables/copy	on Contests H	81 tackerRani	k Code
9.59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P.	ster-variables/copy	on Contests H	81 tackerRani	k Code
9:59 PM SRIT_Illustrate the use of register variables CSE PSP LAB P 2 int main() 3 *{ 4 register int weight; // Declare a register variable weight of type weight=65; 6 printf("int *ptr = &weight"); 7 return 0; 8 9 9 10 11 10 Congratulations, you passed the sample test case. 10 Ick the Submit Code button to run your code against all the test cases. 11 complete Message 12 Solution.c: In function 'main': Solution.c:4:14: warning: variable 'weight' set but not used [-Munused-but-register int weight; // Declare a register variable weight of type int.	ster-variables/copy	on Contests H	81 tackerRani	i Cod

1/25/23. 10:00 PM SRIT_printing stars 1 | CSE PSP LAB PROGRAMS Question | Contests | Hacket PREPARE CERTIFY COMPETE Q Search 🖂 🖟 224g1a0515 🗸 All Contests > CSE PSP LAB PROGRAMS > SRIT_printing stars 1 SRIT_printing stars 1 Problem Submissions Leaderboard Discussions Take a list of n numbers, Design an algorithm which prints the number of stars equivalent to the value of the number. The stars for each number should be printed horizontally. Enter the number of numbers: 6 Enter number 1: 4 Enter number 2: 6 Enter number 3: 9 Enter number 4: 5 Enter number 5: 2 Enter number 6: 6 Constraints integer numbers Output Format Sample Input 0 Sample Output 0 ****

***** f ⊌ in Contest ends in 2 months Submissions: 90 Difficulty: Medium Rate This Challenge: ☆☆☆☆☆☆ sts/cse-psp-lab-programs/challenges/srit-printing-stars-1/copy-from/1355315164 1/2 1/25/23, 10:00 PM SRIT_printing stars 1 | CSE PSP LAB PROGRAMS Question | Contests | HackerRank · :: • 1 #include<stdio.h>
2 int main()
3 *{
4 *int n,j,i,a[10];
5 scanf("%d",&n);
6 for(i=0;i<n;i++)
7 *{
8 *scanf("%d",&a[i]);
1 } 9 }
10 for(i=0;i<n;i++)
11 *{
12 *for(j=1;j<=a[i];j++) 12 \(\for(j=1;j<=a[i] \)
13 \(\{ \text{printf("*")}; \}
15 \}
16 \text{printf("\n")};
17 \}
18 \text{return 0};
19 \}
20 \
21 Line: 1 Col: 1 ± Upload Code as File ☐ Test against custom input Testcase 0 ✓ Congratulations, you passed the sample test case. Click the Submit Code button to run your code against all the test cases Your Output (stdout)

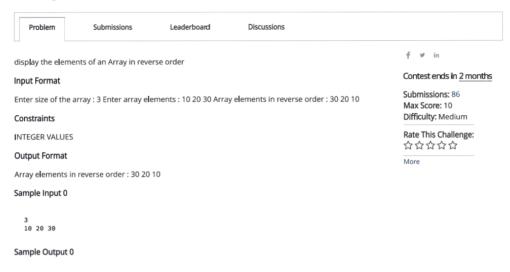
PREPARE CERTIFY COMPETE Q. Search □ Q. | Se intests > CSE PSP LAB PROGRAMS > SRIT_sorts the strings using array of pointers SRIT_sorts the strings using array of pointers f ⊌ in Input Format Contest ends in 2 months Enter the number of strings: 2 Enter string 1: Rank Enter string 2: Hacker Output Format Before Sorting Rank Hacker After Sorting Hacker Rank 2 Rank Hacker c × % 0 | Firectude exects.no | female 1/25/23, 10:06 PM SRIT_sorts the strings using array of pointers | CSE PSP LAB PROGRAMS Question | Contests | HackerRank ± Uolcad Code as File ☐ Test against custom input Comple Message
Substitution in function 'maste';
Substitution in function 'maste';
Substitution in substitution in the substit Solution.cid:d: warning: unused variable 'j' [-Wunused-variable] int 1, 1. diff, rum_strings; Solution.ciBEB: worning: unused variable "temp", "Hunusec-variable) there "temps
Solution.ci at top leve";
Solution.ci at top leve";
Solution.ci2756s sarring: conflicting types for "sort"
sarrengeaceman.com/constitutions-ap-bit-brograms/billeops/solution-bit-strap-uniter-solutions-solution-bit-strap-uniter-solutions-solution-.10:06 PM SRIT_sorts the strings using array of pointers [CSE PSP LAB PROGRAMS Question [Cost void sort(cher htt]/int nom_strings) Solution.c:31:1: rote: previous implicit declaration of 'sort' was here sort(strArray,num_strings); Solution.c:45:1: rote: ...this statement, but the latter is misleadingly indented as if it were guarded by the 'f or' Solution.c:37:6: rote: declared here void sort(char As[],int num_strings) 2 Rank Hacker Your Output (stdout) Expected Output

All Contests > CSE PSP LAB PROGRAMS > SRIT_display the elements of an Array in reverse order

SRIT_display the elements of an Array in reverse order

Array elements in reverse order : 30 20 10

1/25/23, 10:13 PM



```
C
                                                                                                                            20
 2 ##include<stdio.h>
3 int main()
 4 *{
5 *int k,a[100],n,b;
 6 scanf("%d",&n);
7 vint size = a[n];
 8 for(k=0;k<n;k++)
10 vscanf("%d",&a[k]);
11 }
12 printf("Array elements in reverse order : ");
13 for(k=n-1;k>=0;k--)
14 \{
15 vprintf("%d ",a[k]);
16 }
17 return 0;
18 }
                                                                                                                           Line: 1 Col: 1
```

https://www.hackerrank.com/contests/cse-psp-lab-programs/challenges/srit-display-the-elements-of-an-array-in-reverse-order/copy-from/1355316136

SRIT_display the elements of an Array in reverse order | CSE PSP LAB PROGRAMS Question | Contests | HackerRank

<u>♣ Upload Code as File</u> Test against custom input Submit Code Testcase 0 ✓ Congratulations, you passed the sample test case. Click the Submit Code button to run your code against all the test cases.

```
Compile Message
                                                                                                                                                 Compile Time
 Solution.c: In function 'main':
Solution.c:7:5: warning: unused variable 'size' [-Wunused-variable]
  int size = a[n];
 Solution.c:5:16: warning: unused variable 'b' [-Wunused-variable] int k,a[100],n,b;
Input (stdin)
 10 20 30
Your Output (stdout)
 Array elements in reverse order : 30 20 10
Expected Output
Array elements in reverse order : 30 20 10
```



PREPARE CERTIFY COMPETE Q Search □ □ □ 1 224g1a0515 ∨ All Contests > CSE PSP LAB PROGRAMS > SRIT_MATRICES ADDITION SRIT_MATRICES ADDITION addition of two Matrices Input Format enter the row and column sizes of matrix-12 2 enter matrix-1 dements: 12.3 4 enter the row and column sizes of matrix-12.2 enter matrix-2 dements 45.67 the given matrix-11.23 of the given matrix-1.25 of the given matrix-1 Constraints integer values Output Format Sample Output 0 Addition of two matrices is 5 7 9 11 Submissions: 65 Max Score: 10 Difficulty: Medium Rate This Challenge: dore > C O | fincludestrin, h> | mincludestring.h> | mincludemath.h> | minclu 12 | 3
3 *void display(int a[i0][i0], int x, int y)

34 *{
34 *{
35 *int *{,};
36 *for(*io;*(****)*)
37 *{
39 *{
39 *{
30 *for(*io;*(****)*)
39 *{
30 *{
30 *for(*io;*(***)*)
39 *{
30 *{
31 **ovid additionOfTwoMetrices(int a[i0][i0], int b[i0][i0], int x, int y)

44 *{
44 *{
45 *int *{,};,([i0][i0];
46 *print(**Addition of two matrices is \n**);
47 *for(*io;*(***)*)
40 *for(*io;*(***)*)
41 **ovid *for(*io;*(***)*)
42 **print(**io;*(***)*)
43 **ovid *for(*io;*(***)*)
44 **ovid *for(*io;*(***)*)
45 **ovid *for(*io;*(***)*)
46 **for(*io;*(***)*)
47 **ovid *for(*io;*(***)*)
48 **ovid *for(*io;*(***)*)
49 **for(*io;*(***)*)
40 **for(*io;*(***)*)
40 **for(*io;*(***)*)
41 **ovid *for(*io;*(***)*)
42 **print(*for(*io;***)*)
43 **print(*for(*io;**)*)
44 **ovid *for(*io;*(*io;**)*)
45 **for(*io;*(*io;**)*)
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42 **for(*io;*(*io;*(*io;**)*)
43 **for(*io;*(*io;*(*io;**)*)
44 **for(*io;*(*io;*(*io;*(*io;*(*io;*)*))
45 **for(*io;*(* Line: 1 Col: 1 Run Code Submit Code ± Upload Code as File ☐ Test against custom input Congratulations, you passed the sample test case. Click the Submit Code button to run your code against all the test cases. Comple Message

Solution, c: In function 'main':
Solution, c: 2:1: werning: inglict seclaration of function 'read': did you mean 'fread'? [-Wimplicit-function-decl]

The solution (2:2:1: werning: inglict seclaration of function 'read': did you mean 'fread'? [-Wimplicit-function-decl] 1/25/23, 10:16 PM SRIT_MATRICES ADDITION | CSE PSP LAB PROGRAMS Question | Contests | HackerRank ^~~~
fread Solution.c:12:1: warning: implicit declaration of function 'display' [-Wimplicit-function-declaration] display(a, m, n); displays, m, n);

Solution.cc.16(ii) warning: implicit declaration of function 'additionOfTwoHatrices' [-Himplicit-function-de
additionOfTwoHatrices(a, b, m, n);

Solution.cc.14 top level:
Solution.cc.22(i) warning: conflicting types for 'read'
vestion addition(18(1)(ii), set a, int y) Solution.c:9:1: note: previous implicit declaration of 'read' was here read(a, m, n); Solution.c:33:6: warning: conflicting types for 'display' void d'splay(int a[10][10],int x,int y) Solution.c:l2:l: note: previous implicit declaration of 'display' was here display(a, m, n); Solution.c:43:6: warning: conflicting types for 'additionOfTwoMatrices' void additionOfTwoMatrices(int a[:0][10],int b[10][10],int x,int y) Solution.c:16:1: note: previous implicit declaration of 'additionOfTwoMatrices' was here additionOfTwoMatrices(a, b, m, n); Input (stdin) 2 2 1 2 3 4 2 2 4 5 6 7 Your Output (stdout) Addition of two matrices is 5 7 0 11

All Contests > CSE PSP LAB PROGRAMS > SRIT_MATRIX MULTIPLICATION



Multiplication of two matrices is 23 33 76 198