

Passed all tests! ✓

GE23131-Programming Using 2024

Status Finished

Started Monday, 23
December 2024, 5:33
PM

Completed Wednesday, 6
November 2024,
12:54 FM
Duration 47 days 4 hours Question 1
Correct
Marked out of 3.00
F Flag question Goki recently had a breakup, so he wants to have some more friends in his life. Goki has N people who he can be friends with, so he decides to choose among them according to their skills set [V[(-si-cn]. Ne wants atleast X skills in his friends. Help Goki find his friends. INPUT First line contains a single integer X -denoting the minimum skill required to be Goki's friend. Next line contains one integer Y - denoting the skill of the person OUTPUT Print if he can be friend with Goki. 'YES' (without quotes) if he can be friends with Goki else 'NO' (without quotes). CONSTRAINTS

1<=N<=1000000 1<=X,Y<=1000000 SAMPLE INPUT 1 SAMPLE OUTPUT 1 YES SAMPLE INPUT 2 100 90 SAMPLE OUTPUT 2

#include <stdio.h></stdio.h>
int main()
{ int x,y;
scanf("%d %d",&x,&y);
if(x<=y)
{ printf("YES");}
else
{printf("NO");}
}

	Input	Expected	Got	
~	100 110	YES	YES	~
~	100 90	NO	NO	~

Ouestion 2
Correct
Marked out of 5.00
F Flag question

Before the outbreek of corons virus to the world, a meeting happened in a room in Wuhan. A person who attended that meeting had COVID-19 and no one in the room knew about it is a veryone started haking hands with everyone else in the room as a gesture of respect and after meeting unfortunately everyone got infected Given the fact that any two persons shake hand exactly once, can you tell the total count of handstakes hands. Regularly westly your hands. Stey Safe.

Input Format

Output Format

Print the number of handshakes. Constraints

0 < N < 106

SAMPLE INPUT 1

SAMPLE OUTPUT

SAMPLE INPUT 2

SAMPLE OUTPUT 2

Explanation Case 1: The lonely board member shakes no hands, hence 0. Case 2: There are 2 board members, 1 handshake takes place.





GE23131-Programming Using C-2024 Status Fisioled
Started Fistor, 27 December
2013, 2-40 FM
Completed Faster, 2013, 2-40 FM
Duration Status 7 sees
Comist 1
Comet
Whater on at 168
7 Fasquestion An operator is a special symbol used to manipulate data. The data thems that the operators act upon all called operands.

The operator that works on a simple operand is called a usuary operator and tax which works on two operands is known as a binary operator. C provides many types of operators. They are: Arithmetic, Unary, Relational and equality, Logical, Assignment, Conditiona I, Bitwise and Special operators. equality, Logical Astrogrameus, Carolla au Literate and Society operators.

No. C. we have 3 enthreship operators: Operator basechipies of the Comparison of According to the coding conventions in C, a single space should be provided to the left and to the right of an operator. The hable given below demonstrates the use of visions arithmetic operates using to work the progress of the pr Expected

Addition Result = 13
Subtraction Result = 7
Builplication Result = 30
Division Result = 3
Resoluter = 1 Correct
Marked out of 1.05
T Flag cuestion point quotient.

The table given below demonstrates the usage of vertices arithmetic lange of vertices arithmetic vertices are all the properties of the pro

Expected

Result of addition = 14,500
Result of subtraction = 10.
Result of multiplication =
Result of division = 6,2500

Question **3**Correct
Marked out of 1.00

F Flag question

The table given below demonstrates the use of various arithmetic operators using two variables c1 and c2 of type char with values 'A' and 'D' respectively:

Expression Result

c1 65 c1+c2 133 c1+c2+5 138 c1+c2+'5'186

In the above examples, the character 'A' is substituted with its ASCII value 65 and 'D' is substituted with 68. The character '5' is substituted with its ASCII value 53. The integer value 5 is used as it is.

The following table demonstrates the usage of various **arithmetic operators** using two variables a and b of type int with

values 11 and -3 respectively:

Expression Result

a+b 8 a-b 14 a*b -33 a/b -3 a%b 2

In the program given below, type the missing code to find the result of applying different arithmetic operators on char data type values.

Answer: (penalty regime: 0 %)

Reset answer

```
#include <stdio.h>

int main()

char c1 = 'A', c2 = '
printf("c1 = %d\n", c
printf("c1 + c2 = %d\
printf("c1 + c2 + 5 = printf("Result = %d",
return 0;
}
```

```
Expected Got

C1 = 65
C1 + C2 = 133
C1 + C2 + 5 = 138
Result = 186

C1 = 65
C1 + C2
C1 + C2
Result = Result =
```

Finish review

Correct

Marked out of 1.00

P Flag question Make the following changes in the code given below:

1. Comment the statement which prints "Mango".

2. Remove the comment on the statement which prints "Banana". Expected Got

✓ Orange Banana Banana Passed all tests! ✓ As mentioned earlier, a computer program is a collection of instructions or statements. A C program usually consists of multiple statements.

Each statement is composed of one or more of the three given below:

1. Comments
2. Whitespace characters
3. Tokens In a computer program, a comment is used to mark a section of code as non-executable. cascutable.

Comments are mainly used for two persposes:

1. In mark a section of executable, so that code as the orderectable, so that code as the orderectable, as that code as the orderectable, as understand the code.

In C. there are two types of comments:
. tead-of-line comment: It starts
with // The content that follows
the // and comment. It is abor
. colled as night-line comment. It is abor
. colled as night-line comment. It is abor
. 2. traditional comment. It starts with
// and ends with // The coulder
between /* and y is the comment.
It is also coulded as multi-line
. comment. C programming language was deve This is called a header comment what this program would do. As spanning across multiple lines. int main() Int main()

Int main()

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Int ma comments. Retype in the space provided.

Given below are 3 important points regarding comments:

1. There should not be any space between the two forward slambes in //, 1-e, / / 1s incorrect, Similarly, there should not be any space between the slash and star characters in /* and 'x', 1-e, 'and ' - / and encorrect.

2. Comments also not neat, 1-e, /* and ' - / and encorrect.

3. Comments in influence in comments in the special meaning inside a /* comment.

3. One should not write comments inside characters enclosed between single quote). Comments inside single encorrect.

3. One should not write comments inside characters enclosed between single quote). Comments inside String literals (e., etca enclosed between double-quotes) are treated as part of the String's content. Content to be reproduced

/*
This is a sample C program
developed by REC

*/
finclude stdio.h>
int main()

{
 // this is an end of line comment
printf("love C Language!");
 return 0; Expected Got

✓ I love C Language! I love Passed all tests! ✓

	Expected	Got
~	One TwoThree Four Five	One TwoThree Four Five

Passed all tests! 🗸

Question 4

Correct

Marked out of 1.00

hildarrow Flag question

Question 3
Correct
Marked out of 1.00
F* Flag question In C, the backslash character \ is used to mark an escape sequence. An Escape Sequence is an escape character \ followed by a normal character. For example: \n or \t. The presence of the escape character changes the meaning of the character which follows it. For example, when the string litteral "Hello-World" is printed, the result is seen as Hello World In the string literal "Hello\tWorld", \t represents the TAB character. Similarly, if we want to print a double quote inside a double-quoted string literal, we need to escape the double quote by using the escape character \. For example: printf("Hello \" (Quote)"); The code given above will produce the following output: Hello " (Quote) Hello " (quote)

Given below are a few points regarding escape sequences: sequence has a unique ASCII value as shown in the table given below.

Each and every combination of an escape sequence starts with backslash \(\). Although an escape sequence consists of two characters, it represents a single special character in the given context. Escape sequences and their ASCII codes: Read the code given below and retype in the space provided. Note the effects of \t and \n in the resulting output when executed successfully.

Content to be reproduced Content to be reproduced #include <stdio.h> int main() { printf('One Two'); printf('Three\n'); printf('Four\nFive\n'); return 0; } Answer (penalty regime: 0 %)

| #include <stdio.h>
| int main()
| (printf("One Two");
| printf("Three\n");
| printf("Four\nFive\n");
| return 0;
| | | Expected Got

V One TwoThree
Four
Five

Passed all tests! V Ouestion 4
Correct
Marked out of 1.00
P Flag question Make the suggested changes to the code so that it prints
"DennisRitchieBrianKernighan" as shown below. Dennis Ritchie Brian Kernighan Brian Kernighan

To make the required changes, follow
the steps given below to introduce the
SPACE character and the kin new line
cheracter appropriately:

1. Insert a space between "Dennis"
and "Ritche". Make sure that no
exit a space to rany other character
appropriately:
2. Insert a his between "Ritche" and
"Strin" Make sure that no
space or any other character spart
from 'n are inserted.
3. Insert a space between "Ritina" and
"Kernighan". Make sure that no
extra space or any other character
apart from space are inserted. Reset answer Got ✓ Dennis Ritchie Dennis Rit Brian Kernighan Brian Kern

```
Question 1
Correct
Marked out of 1.00
F Flag question
```

Read the code given below to learn naming conventions in identifiers.

For example, consider the program given below:

```
#include <stdio.h>
int main()
{
    int age = 2; // age is an i
    int firstNumber = 2; // fir
    // If there are two or more
    int second_number = 3; // s
    // Any space cannot be usec
    int _i_am_also_a_valid_ider
    // An identifier/variable r
    printf("age = %d\n", age);
    printf("firstNumber = %d\n"
    printf("second_number = %d\n"
    printf("ji_am_also_a_valid_return 0;
```

Fill in the missing code in the below program to print the values of the given variables.

Answer: (penalty regime: 0 %)

Reset answer

```
1
    #include <stdio.h>
 3
    int main()
4 + {
 5
         int age = 2;
         int firstNumber = 2;
 6
 7
         int second_number = 3
 8
         int _i_am_also_a_vali
        printf("age = %d\n",a
printf("firstNumber =
 9
10
11
         printf("second_number
12
         printf("_i_am_also_a_
13
         return 0;
14 }
```

```
Expected

    age = 2
    firstNumber = 2
    second_number = 3
    _i_am_also_a_valid_identifi

Passed all tests!
```

```
Section 2 A Confidence of the 
                                                                                                                        Coperate Out

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                                                                                                       Coperate

Copera
                                                                                                                                                           Expected Cot

Impossible is restring! Imp

Passed all tests: v
```

```
Correct
Marked out of 1.00
```

In the program given below, we shall learn how to assign values to int data type from binary, octal, hex and

```
character literals.
Read the code given below and retype in
the space provided.
#include <stdio.h>
int main()
  int binaryThree = 0b11;
  printf("binaryThree value = %d\n",
binaryThree);
  int octalEight = 010;
  printf("octalEight value = %d\n",
octalEight);
  int hexTen = 0xA;
  printf("hexTen value = %d\n", hexTen);
  int asciiValueOfOne = '1';
 printf("asciiValueOfOne value = %d\n",
asciiValueOfOne);
  int asciiValueOfA = 'A';
 printf("asciiValueOfA value = %d\n",
asciiValueOfA);
  return 0;
```

Answer: (penalty regime: 0 %)

```
##include <stdio.h>

| ##include <stdio.h>
| int main()
| int binaryThree = 0b11;
| printf("binaryThree value int octalEight = 010;
| printf("binaryThree value int octalEight = 010;
| printf("octalEight value int hexTen = 0xA;
| printf("hexTen value = %d int asciiValue0fOne = '1';
| printf("asciiValue0fOne v int asciiValue0fA = 'A';
| printf("asciiValue0fA val return 0;
| printf("asciiValue0fA val return 0;
| printf("asciiValue0fA val return 0;
```

Expected binaryThree value = 3 octalEight value = 8 hexTen value = 10 asciiValueOfOne value = 49 asciiValueOfA value = 65 Passed all tests! ✓

Question 2 Correct Marked out of 1.00 Flag question

In the program given below, fill in the missing code to add two integer numbers.

Answer: (penalty regime: 0 %)

Reset answer

1 #include <stdio.h> int main() 3 i 4 · { 5 6 7 8 9 10 11 } int num1 = 15, num2 = printf("Given integer //Write the code to a (sum=num1+num2); printf("Sum of 2 give return 0;

