

C:\Users\kondu\OneDrive\Documents\fibonacci series.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-bit Release

Project Classes Debug fibonacci series.cpp

```
1 #include <stdio.h>
2
3 // Function to calculate the nth Fibonacci number
4 int fibonacci(int n) {
5     if (n <= 1) {
6         return n;
7     }
8     return fibonacci(n - 1) + fibonacci(n - 2);
9 }
10
11 // Function to print the Fibonacci series up to nth term
12 void printFibonacci(int n) {
13     printf("Fibonacci series up to %d terms: ", n);
14     for (int i = 0; i < n; i++) {
15         printf("%d ", fibonacci(i));
16     }
17     printf("\n");
18 }
19
20 int main() {
21     int n;
22     printf("Enter the number of terms: ");
23     scanf("%d", &n);
24     printFibonacci(n);
25     return 0;
26 }
```

C:\Users\kondu\OneDrive\Documents\fibonacci series.exe

Enter the number of terms: 5  
Fibonacci series up to 5 terms: 0 1 1 2 3  
-----  
Process exited after 2.13 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\fibonacci series.exe  
- Output Size: 129.8623046875 Kib  
- Compilation Time: 0.25s

Line: 23 Col: 21 Sel: 0 Lines: 26 Length: 575 Insert Done parsing in 0.123 seconds

13°C Partly sunny 12:49 21-06-2024

C:\Users\kondu\OneDrive\Documents\armstrong number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-bit Release

Project Classes Debug fibonacci series.cpp armstrong number.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int num, originalNum, remainder, result = 0;
5     printf("Enter a three-digit integer: ");
6     scanf("%d", &num);
7     originalNum = num;
8
9     while (originalNum != 0) {
10         // remainder contains the Last digit
11         remainder = originalNum % 10;
12
13         result += remainder * remainder * remainder;
14
15         // removing Last digit from the original number
16         originalNum /= 10;
17     }
18
19     if (result == num)
20         printf("%d is an Armstrong number.", num);
21     else
22         printf("%d is not an Armstrong number.", num);
23
24     return 0;
25 }
```

C:\Users\kondu\OneDrive\Documents\armstrong number.exe

Enter a three-digit integer: 6  
6 is not an Armstrong number.  
-----  
Process exited after 2.115 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\armstrong number.exe  
- Output Size: 120.6220700125 Kib  
- Compilation Time: 0.25s

Line: 11 Col: 9 Sel: 0 Lines: 25 Length: 624 Insert Done parsing in 0.016 seconds

SENSEX -0.65% 13:04 21-06-2024

C:\Users\kondu\OneDrive\Documents\gcd1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug max and min.cpp Untitled2.cpp Untitled3 Untitled4.cpp Untitled5.cpp Untitled6.cpp Untitled7.cpp Untitled8.cpp Untitled9.cpp Untitled10.cpp Untitled11.cpp Untitled12.cpp Untitled13.cpp Untitled14.cpp gcd.cpp gcd1.cpp gcd1.cpp

```
1 #include <stdio.h>
2 int main()
3 {
4     int n1, n2, i, gcd;
5
6     printf("Enter two integers: ");
7     scanf("%d %d", &n1, &n2);
8
9     for(i=1; i <= n1 && i <= n2; ++i)
10    {
11        // Checks if i is factor of both integers
12        if(n1%i==0 && n2%i==0)
13            gcd = i;
14    }
15
16    printf("G.C.D of %d and %d is %d", n1, n2, gcd);
17
18    return 0;
19 }
```

C:\Users\kondu\OneDrive\Documents\gcd1 Do + -

Enter two integers: 12  
16  
G.C.D of 12 and 16 is 4

Process exited after 9.343 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\gcd1.exe  
- Output Size: 128.1015625 KB  
- Compilation Time: 0.25s

Line: 19 Col: 2 Set: 0 Lines: 19 Length: 365 Insert Done parsing in 0 seconds

13°C Partly sunny 14:33 25-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\gcd.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug fibonacci series.cpp armstrong number.cpp gcd.cpp

```
1 #include <stdio.h>
2 int main() {
3     int n;
4     double arr[100];
5     printf("Enter the number of elements (1 to 100): ");
6     scanf("%d", &n);
7
8     for (int i = 0; i < n; ++i) {
9         printf("Enter number%d: ", i + 1);
10        scanf("%lf", &arr[i]);
11    }
12
13    // storing the Largest number to arr[0]
14    for (int i = 1; i < n; ++i) {
15        if (arr[0] < arr[i]) {
16            arr[0] = arr[i];
17        }
18    }
19
20    printf("Largest element = %.2lf", arr[0]);
21
22    return 0;
23 }
```

C:\Users\kondu\OneDrive\Documents\gcd Do + -

Enter the number of elements (1 to 100): 3  
Enter number1: 24  
Enter number2: 29  
Enter number3: 23  
Largest element = 29.00

Process exited after 8.884 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\gcd.exe  
- Output Size: 128.6015625 KB  
- Compilation Time: 0.24s

Line: 12 Col: 1 Set: 0 Lines: 23 Length: 456 Insert Done parsing in 0.013 seconds

13°C Partly sunny 13:15 21-06-2024 ENG IN

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C:\Users\kondu\OneDrive\Documents\factorial.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug fibonacci series.cpp armstrong number.cpp gcd.cpp factorial.cpp

```
1 #include <stdio.h>
2 int main() {
3     int n, i;
4     unsigned long long fact = 1;
5     printf("Enter an integer: ");
6     scanf("%d", &n);
7
8     // shows error if the user enters a negative integer
9     if (n < 0)
10        printf("Error! Factorial of a negative number doesn't exist.");
11    else {
12        for (i = 1; i <= n; ++i) {
13            fact *= i;
14        }
15        printf("Factorial of %d = %llu", n, fact);
16    }
17
18    return 0;
19 }
```

C:\Users\kondu\OneDrive\Documents\factorial.exe

Enter an Integer: 12  
Factorial of 12 = 479001600  
.....  
Process exited after 3.592 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\factorial.exe  
- Output Size: 128.6015625 KB  
- Compilation Time: 0.27s

Line: 19 Col: 2 Set: 0 Lines: 19 Length: 451 Insert Done parsing in 0 seconds

35°C Partly sunny 13:22 21-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\prime or not.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug fibonacci series.cpp armstrong number.cpp gcd.cpp factorial.cpp prime or not.cpp

```
1 #include <stdio.h>
2
3 int main() {
4
5     int n, i, flag = 0;
6     printf("Enter a positive integer: ");
7     scanf("%d", &n);
8
9     // 0 and 1 are not prime numbers
10    // change flag to 1 for non-prime number
11    if (n == 0 || n == 1)
12        flag = 1;
13
14    for (i = 2; i <= n / 2; ++i) {
15
16        // If n is divisible by i, then n is not prime
17        // change flag to 1 for non-prime number
18        if (n % i == 0) {
19            flag = 1;
20            break;
21        }
22    }
23
24    // flag is 0 for prime numbers
25    if (flag == 0)
26        printf("%d is a prime number.", n);
27    else
28        printf("%d is not a prime number.", n);
29
30    return 0;
31 }
```

C:\Users\kondu\OneDrive\Documents\prime or not.exe

Enter a positive integer: 56  
56 is not a prime number.  
.....  
Process exited after 3.264 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\prime or not.exe  
- Output Size: 128.6015625 KB  
- Compilation Time: 0.27s

Line: 31 Col: 2 Set: 0 Lines: 31 Length: 612 Insert Done parsing in 0.015 seconds

35°C Partly sunny 13:26 21-06-2024 ENG IN

The screenshot shows the Dev-C++ IDE interface. The main window displays the C code for a selection sort algorithm. The code includes a `selectionSort` function that sorts an array in ascending order and a `printArray` function to display the array elements. The `main` function initializes an array with values {64, 25, 12, 22, 11}, calls the sorting function, and prints the sorted array. A terminal window shows the output: "Sorted array: 11 12 22 25 64". Below the terminal is a compiler log showing no errors or warnings, and a status bar indicating the file is executing.

```
15 for (i = 0; i < n - 1; i++) {
16     // Find the minimum element in unsorted array
17     min_idx = i;
18     for (j = i + 1; j < n; j++)
19         if (arr[j] < arr[min_idx])
20             min_idx = j;
21
22     // Swap the found minimum element with the first
23     // element
24     swap(&arr[min_idx], &arr[i]);
25 }
26
27 /* Function to print an array */
28 void printArray(int arr[], int size)
29 {
30     int i;
31     for (i = 0; i < size; i++)
32         printf("%d ", arr[i]);
33     printf("\n");
34 }
35
36 // Driver program to test above functions
37 int main()
38 {
39     int arr[] = { 64, 25, 12, 22, 11 };
40     int n = sizeof(arr) / sizeof(arr[0]);
41     selectionSort(arr, n);
42     printf("Sorted array: \n");
43     printArray(arr, n);
44     return 0;
45 }
```

Sorted array:  
11 12 22 25 64  
.....  
Process exited after 0.03263 seconds with return value 0  
Press any key to continue . . .

Compiler Log:

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\kondu\OneDrive\Documents\sorting order.exe
- Output Size: 129.375 Kib
- Compilation Time: 0.28s

Line: 46 Col: 2 Set: 0 Lines: 46 Length: 1055 Insert Done parsing in 0.016 seconds

13:37 21-06-2024

This screenshot is nearly identical to the one above, showing the same C code for selection sort, its execution in the terminal, and the resulting sorted array. The compiler log also shows no errors or warnings.

```
15 for (i = 0; i < n - 1; i++) {
16     // Find the minimum element in unsorted array
17     min_idx = i;
18     for (j = i + 1; j < n; j++)
19         if (arr[j] < arr[min_idx])
20             min_idx = j;
21
22     // Swap the found minimum element with the first
23     // element
24     swap(&arr[min_idx], &arr[i]);
25 }
26
27 /* Function to print an array */
28 void printArray(int arr[], int size)
29 {
30     int i;
31     for (i = 0; i < size; i++)
32         printf("%d ", arr[i]);
33     printf("\n");
34 }
35
36 // Driver program to test above functions
37 int main()
38 {
39     int arr[] = { 64, 25, 12, 22, 11 };
40     int n = sizeof(arr) / sizeof(arr[0]);
41     selectionSort(arr, n);
42     printf("Sorted array: \n");
43     printArray(arr, n);
44     return 0;
45 }
```

Sorted array:  
11 12 22 25 64  
.....  
Process exited after 0.03263 seconds with return value 0  
Press any key to continue . . .

Compiler Log:

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\kondu\OneDrive\Documents\sorting order.exe
- Output Size: 129.375 Kib
- Compilation Time: 0.28s

Line: 46 Col: 2 Set: 0 Lines: 46 Length: 1055 Insert Done parsing in 0.016 seconds

13:37 21-06-2024

C:\Users\kondu\OneDrive\Documents\bubble sort.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug fibonacci series.cpp armstrong number.cpp gcd.cpp factorial.cpp prime or not.cpp sorting order.cpp bubble sort.cpp

```
1 #include <stdio.h>
2
3 void swap(int* xp, int* yp)
4 {
5     int temp = *xp;
6     *xp = *yp;
7     *yp = temp;
8 }
9
10 void selectionSort(int arr[], int n)
11 {
12     int i, j, min_idx;
13
14     // One by one move boundary of unsorted subarray
15     for (i = 0; i < n - 1; i++) {
16         // Find the minimum element in unsorted array
17         min_idx = i;
18         for (j = i + 1; j < n; j++)
19             if (arr[j] < arr[min_idx])
20                 min_idx = j;
21
22         // Swap the found minimum element with the first
23         // element
24         swap(&arr[min_idx], &arr[i]);
25     }
26 }
27
28 /* Function to print array */
29 void printArray(int arr[], int size)
30 {
31     int i;
32     for (i = 0; i < size; i++)
33     {
34         printf("%d ", arr[i]);
35     }
36 }
37
38 // Driver program to test above functions
39 int main()
40 {
41     int arr[] = {11, 12, 22, 25, 64};
42     int n = sizeof(arr)/sizeof(arr[0]);
43
44     selectionSort(arr, n);
45
46     printf("Sorted array: \n");
47     printArray(arr, n);
48 }
```

Sorted array:  
11 12 22 25 64

.....

Process exited after 0.03691 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abrt Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\bubble sort.exe  
- Output Size: 129.375 KB  
- Compilation Time: 0.33s

Line: 27 Col: 3 Set: 0 Lines: 46 Length: 1055 Insert Done parsing in 0.016 seconds

13:43 21-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\matrix multiplication.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug fibonacci series.cpp armstrong number.cpp gcd.cpp factorial.cpp prime or not.cpp sorting order.cpp matrix multiplication.cpp

```
1 #include <stdio.h>
2
3 int a[10][10];
4 int b[10][10];
5 int mul[10][10];
6
7 int main()
8 {
9     int r1, c1, r2, c2, i, j, k;
10
11    // Input matrix a
12    printf("enter the number of row=2\n");
13    scanf("%d", &r1);
14    printf("enter the number of column=2\n");
15    scanf("%d", &c1);
16
17    // Input matrix b
18    printf("enter the second matrix element=\n");
19    for(i=0;i<r1;i++)
20    {
21        for(j=0;j<c1;j++)
22        {
23            scanf("%d", &b[i][j]);
24        }
25    }
26
27    // Input matrix a
28    printf("multiply of the matrix=\n");
29    for(i=0;i<r1;i++)
30    {
31        for(j=0;j<c1;j++)
32        {
33            mul[i][j]=0;
34            for(k=0;k<c2;k++)
35            {
36                mul[i][j]=mul[i][j]+a[i][k]*b[k][j];
37            }
38        }
39    }
40
41    //for printing result
42    for(i=0;i<r1;i++)
43    {
44        for(j=0;j<c1;j++)
45        {
46            printf("%d\t", mul[i][j]);
47        }
48        printf("\n");
49    }
50
51    return 0;
52 }
```

enter the number of row=2  
enter the number of column=2  
enter the second matrix element=

1 2  
3 4  
enter the second matrix element=

6 7  
multiply of the matrix=

16 19  
36 43

.....

Process exited after 11.87 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abrt Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\matrix multiplication.exe  
- Output Size: 130.136671075 KB  
- Compilation Time: 0.31s

Line: 49 Col: 2 Set: 0 Lines: 49 Length: 928 Insert Done parsing in 0.047 seconds

13:52 21-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\string palindrome or not.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug fibonacci.cpp armstrong number.cpp gcd.cpp factorial.cpp prime or not.cpp sorting order.cpp bubble sort.cpp matrix multiplication.cpp string palindrome or not.cpp

```
1 #include <iostream>
2 #include <string>
3
4 using namespace std;
5
6 bool isPalindrome(string str) {
7     int low = 0;
8     int high = str.size() - 1;
9
10    // Keep comparing characters while they are same
11    while (low < high) {
12        if (str[low] != str[high]) {
13            return false; // not a palindrome.
14        }
15        low++; // move the low index forward
16        high--; // move the high index backwards
17    }
18    return true; // is a palindrome
19}
20
21 int main()
22 {
23     string str= "abba";
24     string str1 = "abcded";
25
26     cout << str << " is palindrome " << isPalindrome(str) << endl;
27     cout << str1 << " is palindrome " << isPalindrome(str1) << endl;
28     return 0;
29 }
```

C:\Users\kondu\OneDrive\Documents\string palindrome or not.exe

abba is palindrome 1  
abcded is palindrome 0

.....

Process exited after 0.04903 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\string palindrome or not.exe  
- Output Size: 1.8356742658867 MiB  
- Compilation Time: 0.47s

Line: 29 Col: 2 Set: 0 Lines: 29 Length: 711 Insert Done parsing in 0.578 seconds

Input language switching  
Typing Left Alt + Shift changes your input language.  
You can turn this feature off or change your hot key sequence by selecting Customise.

Customise Dismiss

13:57 21-06-2024

C:\Users\kondu\OneDrive\Documents\copy string.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug copy string.cpp

```
1 // C program to copy the string using
2 // strcpy function
3
4 #include <stdio.h>
5 #include <stdlib.h>
6 #include <string.h>
7
8 // Function to copy the string
9 char* copyString(char s[])
10 {
11     char* s2;
12     s2 = (char*)malloc(20);
13
14     strcpy(s2, s);
15     return (char*)s2;
16 }
17
18 // Driver Code
19 int main()
20 {
21     char s1[20] = "GeeksforGeeks";
22     char* s2;
23
24     // Function Call
25     s2 = copyString(s1);
26     printf("%s", s2);
27     return 0;
28 }
```

C:\Users\kondu\OneDrive\Do... + v

GeeksforGeeks

Process exited after 0.066899 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\copy string.exe  
- Output Size: 126.63671675 Kib  
- Compilation Time: 0.73s

Line: 29 Col: 1 Set: 0 Lines: 29 Length: 427 Insert Done parsing in 0.094 seconds

12:15 22-06-2024

C:\Users\kondu\OneDrive\Documents\binary search.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools ASync Window Help

Project Classes Debug copy string.cpp binary search.cpp

```
9
10 // Check if x is present at mid
11 if (arr[mid] == x)
12     return mid;
13
14 // If x greater, ignore left half
15 if (arr[mid] < x)
16     low = mid + 1;
17
18 // If x is smaller, ignore right half
19 else
20     high = mid - 1;
21
22
23 // If we reach here, then element was not present
24 return -1;
25 }
26
27 // Driver code
28 int main(void)
29 {
30     int arr[] = { 2, 3, 4, 10, 40 };
31     int n = sizeof(arr) / sizeof(arr[0]);
32     int x = 10;
33     int result = binarySearch(arr, 0, n - 1, x);
34     (result == -1) ? printf("Element is not present"
35                         " in array")
36 : printf("Element is present at "
37             "index %d",
38             result);
39
40     return 0;
41 }
```

Element is present at index 3  
Process exited after 0.04918 seconds with return value 0  
Press any Key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\binary search.exe  
- Output Size: 128.470703125 KIB  
- Compilation Time: 0.23s

Line: 40 Col: 1 Set: 0 Lines: 40 Length: 1045 Insert Done parsing in 0 seconds

1 35°C Sunny 12:31 22-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\reverse.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools ASync Window Help

Project Classes Debug max end min.cpp Untitled2.cpp Untitled3.cpp Untitled4.cpp Untitled5.cpp Untitled1.cpp Untitled12.cpp Untitled3.cpp Untitled13.cpp Untitled1

```
1 // C program to reverse the string in C using Loops
2 #include <stdio.h>
3 #include <string.h>
4
5 int main()
6 {
7     // string to be reversed.
8     char str[100] = "string";
9
10    printf("Original String: %s\n", str);
11
12    // string Length
13    int len = strlen(str);
14
15    // for loop
16    for (int i = 0, j = len - 1; i < j; i++, j--) {
17        // swapping characters
18    }
19}
```

Original String: string  
Reversed String: gnirts  
Process exited after 0.03869 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\re
- Output Size: 127.931640625 KIB  
- Compilation Time: 0.17s

Line: 27 Col: 1 Set: 0 Lines: 27 Length: 466 Insert Done parsing in 0.0s

Page 7 of 7 0 words English (India) Accessibility: Investigate 14:40 25-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\length of string.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug copy string.cpp binary search.cpp reverse string.cpp length of string.cpp

```
1 // C program to find the Length of string
2 #include <stdio.h>
3 #include <string.h>
4
5 int main()
6 {
7     char Str[1000];
8     int i;
9
10    printf("Enter the String: ");
11    scanf("%s", Str);
12
13    for (i = 0; Str[i] != '\0'; ++i);
14
15    printf("Length of Str is %d", i);
16
17    return 0;
18 }
```

Enter the String: moni  
Length of Str is 4

Process exited after 2.486 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\length of string.exe  
- Output Size: 128.1220703125 Kib  
- Compilation Time: 0.16s

Line: 18 Col: 2 Set: 0 Lines: 18 Length: 275 Insert Done parsing in 0.016 seconds

1 35°C Sunny 12:44 22-06-2024

C:\Users\kondu\OneDrive\Documents\strassens multiplication.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug copy string.cpp binary search.cpp reverse string.cpp length of string.cpp strassens multiplication.cpp

```
23         printf("%d\t", a[i][j]);
24     }
25
26     printf("\nThe second matrix is\n");
27     for(i = 0; i < 2; i++){
28         printf("\n");
29         for(j = 0; j < 2; j++)
30             printf("%d\t", b[i][j]);
31     }
32
33     m1= (a[0][0] + a[1][1]) * (b[0][0] + b[1][1]);
34     m2= (a[1][0] + a[1][1]) * b[0][0];
35     m3= a[0][0] * (b[0][1] - b[1][1]);
36     m4= a[1][1] * (b[1][0] - b[0][0]);
37     m5= (a[0][0] + a[0][1]) * b[1][1];
38     m6= (a[1][0] - a[0][0]) * (b[0][0]+b[0][1]);
39     m7= (a[0][1] - a[1][1]) * (b[1][0]+b[1][1]);
40
41     c[0][0] = m1 + m4 - m5 + m6;
42     c[0][1] = m3 + m5;
43     c[1][0] = m2 + m4;
44     c[1][1] = m1 - m2 + m3 + m6;
45
46     printf("\nAfter multiplication using Strassen's algorithm \n");
47     for(i = 0; i < 2; i++){
48         printf("\n");
49         for(j = 0; j < 2; j++)
50             printf("%d\t", c[i][j]);
51     }
52
53     return 0;
54 }
```

The first matrix is  
1 2  
3 4

The second matrix is  
5 6  
7 8

After multiplication using Strassen's algorithm

19 22  
43 50

Process exited after 10.45 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\strassens multiplication.exe  
- Output Size: 125.970703125 Kib  
- Compilation Time: 0.17s

Line: 54 Col: 2 Set: 0 Lines: 54 Length: 1424 Insert Done parsing in 0 seconds

1 35°C Sunny 12:53 22-06-2024

The screenshot shows the Dev-C++ IDE interface with the following details:

- Project Bar:** Shows the current project is "merge sort.cpp".
- File Menu:** File, Edit, Search, View, Project, Execute, Tools, ASStyle, Window, Help.
- Toolbar:** Includes icons for New, Open, Save, Build, Run, Stop, and others.
- Compiler Bar:** Set to "GCC 4.9.2 64-bit Release".
- Code Editor:** Displays the C++ code for merge sort. The main function `main` initializes an array with values {12, 11, 13, 5, 6, 7}, calls `mergeSort` with index range [0, 5], and prints the sorted array.
- Output Window:** Shows the console output:
  - Given array is  
12 11 13 5 6 7
  - Sorted array is  
5 6 7 11 12 13Followed by the message: "Process exited after 0.05982 seconds with return value 0".
- Compiler Log:** Shows build statistics:
  - Errors: 0
  - Warnings: 0
  - Output Filename: C:\Users\kondu\OneDrive\Documents\merge sort.exe
  - Output Size: 130.373046875 KB
  - Compilation Time: 0.20s
- Status Bar:** Shows line numbers (Line: 105), column numbers (Col: 1), selection count (Sel: 0), and other status information.
- System Taskbar:** Shows the Start button, search bar, and various system icons.

The screenshot shows the Dev-C++ IDE interface with the following details:

- Title Bar:** C:\Users\kondu\OneDrive\Documents\max and min.cpp - [Executing] - Dev-C++ 5.11
- Menu Bar:** File, Edit, Search, View, Project, Execute, Tools, ASStyle, Window, Help
- Toolbar:** Includes icons for Open, Save, Build, Run, Stop, and others.
- Project Explorer:** Shows files gcd1.cpp, gcd1.l, gcd1.o, reverse.cpp, and several Untitled files.
- Code Editor:** The main window displays the C code for finding minimum and maximum elements in an array. The code uses a for loop to traverse the array and update min and max variables. It then prints the results. The code is annotated with comments explaining its purpose.
- Output Window:** A separate window titled "C:\Users\kondu\OneDrive\Do" shows the execution results:
  - min=1 max=423
  - Process exited after 0.06095 seconds with return value 0
  - Press any key to continue . . .
- Compiler Bar:** Shows tabs for Compiler, Resources, Compile Log, Debug, Find Results, and Close.
- Compiler Log:** Displays build information:
  - Abort Compilation (checkbox)
  - Shorten compiler paths (checkbox)
  - Errors: 0
  - Warnings: 0
  - Output Filename: C:\Users\kondu\OneDrive\Documents\max and min.exe
  - Output Size: 128.466796075 Kib
  - Compilation time: 0.19s
- Status Bar:** Line: 20 Col: 1 Set: 0 Lines: 32 Length: 673 Insert Done parsing in 0.047 seconds
- System Tray:** Shows icons for battery, signal strength, network, volume, and date/time (25-06-2024).

C:\Users\kondu\OneDrive\Documents\generate prime.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug copy string.cpp binary search.cpp reverse string.cpp length of string.cpp stressens multiplication.cpp merge sort.cpp max and min.cpp generate prime.cpp

(globals)

```
9
10 // since 0 and 1 is not prime
11 // number return false.
12 if (n == 1 || n == 0)
13     return false;
14
15 // Run a Loop from 2 to n/2
16 for (int i = 2; i <= n / 2; i++) {
17
18     // if the number is divisible by i, then n is not a
19     // prime number, otherwise n is prime number.
20     if (n % i == 0)
21         return false;
22     }
23 }
24
25
26 // Driver code
27 int main()
28 {
29     int N = 50;
30
31     // check for the every number from 1 to N
32     for (int i = 1; i <= N; i++) {
33
34         // check if i (current number) is prime
35         if (isPrime(i)) {
36             printf("%d ", i);
37         }
38     }
39
40     return 0;
41 }
```

Compiler Resources Compile Log Debug Find Results Close

Abrt Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\generate prime.exe  
- Output Size: 128.4609375 KB  
- Compilation Time: 0.20s

Line: 40 Col: 1 Set: 0 Lines: 40 Length: 745 Insert Done parsing in 0.032 seconds

35°C Sunny 13:15 22-06-2024

C:\Users\kondu\OneDrive\Do +

2 3 5 7 11 13 17 19 23 29 31 37 41 43 47

-----

Process exited after 0.0596 seconds with return value 0

Press any key to continue . . . |

C:\Users\kondu\OneDrive\Documents\knapsack greedy.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug copy string.cpp binary search.cpp reverse string.cpp length of string.cpp stressens multiplication.cpp merge sort.cpp max and min.cpp generate prime.cpp knapsack greedy.cpp

(globals)

```
20
21 for (j = i + 1; j < n; j++)
22     if (ratio[i] < ratio[j])
23     {
24         temp = ratio[j];
25         ratio[j] = ratio[i];
26         ratio[i] = temp;
27
28         temp = weight[j];
29         weight[j] = weight[i];
30         weight[i] = temp;
31
32         temp = profit[j];
33         profit[j] = profit[i];
34         profit[i] = temp;
35     }
36
37 printf("Knapsack problems using Greedy Algorithm:\n");
38 for (i = 0; i < n; i++)
39 {
40     if (weight[i] > capacity)
41         break;
42     else
43     {
44         Totalvalue = Totalvalue + profit[i];
45         capacity = capacity - weight[i];
46     }
47
48     if (i == n)
49         Totalvalue = Totalvalue + (ratio[i]*capacity);
50     printf("\nThe maximum value is :%f\n",Totalvalue);
51 }
```

Compiler Resources Compile Log Debug Find Results Close

Abrt Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\knapsack greedy.exe  
- Output Size: 125.2500350625 KB  
- Compilation Time: 0.19s

Line: 51 Col: 2 Set: 0 Lines: 51 Length: 1381 Insert Done parsing in 0 seconds

35°C Sunny 13:21 22-06-2024

C:\Users\kondu\OneDrive\Do +

Enter the number of items :2

Enter Weight and Profit for item[0] :  
50 23

Enter Weight and Profit for item[1] :  
45 29

Enter the capacity of knapsack :  
100

Knapsack problems using Greedy Algorithm:

The maximum value is :52.000000

-----

Process exited after 18.48 seconds with return value 0

Press any key to continue . . . |

C:\Users\kondu\OneDrive\Documents\MST using greedy technique.cpp [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools ASyntax Window Help

(Global.as)

Project Classes Debug MST using greedy technique.cpp

```
110 | 1  \ 3
111 | 2 ----- 3
112 |   4   */
113 int V = 4; // Number of vertices in graph
114 int E = 5; // Number of edges in graph
115 struct Graph* graph = createGraph(V, E);
116
117 // add edge 0-1
118 graph->edge[0].src = 0;
119 graph->edge[0].dest = 1;
120 graph->edge[0].weight = 10;
121
122 // add edge 0-2
123 graph->edge[1].src = 0;
124 graph->edge[1].dest = 2;
125 graph->edge[1].weight = 6;
126
127 // add edge 0-3
128 graph->edge[2].src = 0;
129 graph->edge[2].dest = 3;
130 graph->edge[2].weight = 5;
131
132 // add edge 1-3
133 graph->edge[3].src = 1;
134 graph->edge[3].dest = 3;
135 graph->edge[3].weight = 15;
136
137 // add edge 2-3
138 graph->edge[4].src = 2;
139 graph->edge[4].dest = 3;
140 graph->edge[4].weight = 4;
141
142 // ... (remaining edges)
```

TERM-GCC 4.9.2 64-bit Release

C:\Users\kondu\OneDrive\Do x + v

Following are the edges in the constructed MST

2 -- 3 == 4  
0 -- 3 == 5  
0 -- 1 == 10

Process exited after 0.04616 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\MST using greedy technique.exe  
- Output Size: 130.4794921875 KB  
- Compilation time: 1.69s

Line: 149 Col: 1 Sel: 0 Lines: 149 Length: 4275 Insert Done parsing in 0.156 seconds

NED - FRA Game score

Search

ENG IN 13:34 22-06-2024

The screenshot shows the Dev-C++ IDE interface with the following details:

- Title Bar:** C:\Users\kondu\OneDrive\Documents\BST.cpp - [Executing] - Dev-C++ 5.11
- Menu Bar:** File, Edit, Search, View, Project, Execute, Tools, ASStyle, Window, Help
- Toolbar:** Includes icons for New, Open, Save, Build, Run, Stop, and others.
- Project Explorer:** Shows a project named "globals" with a file "BST.cpp".
- Code Editor:** Displays the C++ code for "BST.cpp". The code implements an optimal BST construction algorithm using dynamic programming. It includes a main function that prints the optimal cost.

```
18     for (int i = 1; i < n-len+1; i++) {
19         int j = i + len - 1;
20         C[i][j] = FLT_MAX; // Initialize as maximum float value
21         float sum_p = 0;
22         for (int k = i; k <= j; k++) {
23             sum_p += probabilities[k-1];
24         }
25         for (int r = i; r <= j; r++) {
26             float cost = C[i][r-1] + C[r+1][j] + sum_p;
27             if (cost < C[i][j]) {
28                 C[i][j] = cost;
29             }
30         }
31     }
32 }
33
34 // Return the optimal BST cost
35 return C[1][n];
36 }
37
38 int main() {
39     // Example keys and probabilities
40     float keys[] = {10, 12, 20};
41     float probabilities[] = {0.1, 0.2, 0.3};
42     int n = sizeof(keys) / sizeof(keys[0]);
43
44     // Compute optimal BST cost
45     float result = optimalBST(keys, probabilities, n);
46
47     // Print the result
48     cout << "Optimal BST cost: " << result << endl;
49
50     return 0;
51 }
```

- Output Window:** Shows the execution results:

```
Optimal BST cost: 1
Process exited after 0.05632 seconds with return value 0
Press any key to continue . . .
```
- Compiler Tab:** Shows build logs:

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\kondu\OneDrive\Documents\BST.exe
- Output Size: 1.03363620307451 MiB
- Compilation time: 0.42s
```
- Status Bar:** Line: 51, Col: 2, Set: 0, Lines: 51, Length: 1603, Insert, Done parsing in 0.016 seconds

C:\Users\kondu\OneDrive\Documents\dynamic programming.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-bit Release

Project Classes Debug BST.cpp dynamic programming.cpp

```
1 #include <stdio.h>
2
3 // Function to calculate binomial coefficient C(n, k) using dynamic programming
4 int binomialCoefficient(int n, int k) {
5     int C[n+1][k+1];
6
7     // Calculate binomial coefficients using dynamic programming approach
8     for (int i = 0; i <= n; i++) {
9         for (int j = 0; j <= i && j <= k; j++) {
10             if (j == 0 || j == i)
11                 C[i][j] = 1;
12             else
13                 C[i][j] = C[i-1][j-1] + C[i-1][j];
14         }
15     }
16
17     return C[n][k];
18 }
19
20 int main() {
21     int n = 5, k = 2; // Example: C(5, 2)
22     int result = binomialCoefficient(n, k);
23     printf("%d, %d) = %dn", n, k, result);
24
25     return 0;
26 }
```

C:\Users\kondu\OneDrive\Do x + v

C(5, 2) = 10

Process exited after 0.05249 seconds with return value 0  
Press any key to continue . . . |

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Line: 26 Col: 2 Set: 0 Lines: 26 Length: 701 Insert Done parsing in 0 seconds

3°C Haze 20:37 23-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\reversednumber.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-bit Release

Project Classes Debug BST.cpp ["\*"] dynamic programming.cpp reversednumber.cpp

```
1 #include <stdio.h>
2
3 int reverseNumber(int num) {
4     int reversedNum = 0;
5
6     // Iterate until num becomes 0
7     while (num != 0) {
8         // Get the last digit of num
9         int remainder = num % 10;
10
11         // Append this digit to reversedNum
12         reversedNum = reversedNum * 10 + remainder;
13
14         // Remove the last digit from num
15         num = num / 10;
16     }
17
18     return reversedNum;
19 }
20
21 int main() {
22     int num;
23
24     // Input the number to be reversed
25     printf("Enter a number to reverse: ");
26     scanf("%d", &num);
27
28     // Reverse the number
29     int reversed = reverseNumber(num);
30
31     // Output the reversed number
32     printf("Reversed number: %dn", reversed);
33
34     return 0;
35 }
```

C:\Users\kondu\OneDrive\Do x + v

Enter a number to reverse: 5678  
Reversed number: 8765

Process exited after 3.513 seconds with return value 0  
Press any key to continue . . . |

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Line: 1 Col: 5 Set: 0 Lines: 35 Length: 774 Insert Done parsing in 0.016 seconds

3°C Haze 20:31 23-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\perfect number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

Project Classes Debug BST.cpp [ ] dynamic programming.cpp reversednumber.cpp perfect number.cpp

```

1 //include <stdio.h>
2
3 // Function to check if a number is perfect
4 int isPerfect(int num) {
5     int sum = 0;
6
7     // Find all divisors and sum them
8     for (int i = 1; i < num; i++) {
9         if (num % i == 0) {
10             sum += i;
11         }
12     }
13
14 // Check if sum of divisors equals the number itself
15 return (sum == num);
16 }
17
18 int main() {
19     int limit;
20
21     // Input the upper limit to find perfect numbers
22     printf("Enter the upper limit to find perfect numbers: ");
23     scanf("%d", &limit);
24
25     // Iterate through numbers to find perfect numbers
26     printf("Perfect numbers up to %d:\n", limit);
27     for (int i = 1; i <= limit; i++) {
28         if (isPerfect(i)) {
29             printf("%d\n", i);
30         }
31     }
32
33     return 0;
34 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\kondu\OneDrive\Documents\perfect number.exe
- Output Size: 129.1328125 KB
- Compilation Time: 0.17s

Line: 1 Col: 6 Sel: 0 Lines: 34 Length: 794 Insert Done parsing in 0.016 seconds

3°C Haze

Search

ENG IN 2059 23-06-2024

C:\Users\kondu\OneDrive\Documents\tsp.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

Project Classes Debug max and min.cpp Untitled2.cpp Untitled3.cpp Untitled4.cpp Untitled5.cpp Untitled6.cpp Untitled7.cpp Untitled8.cpp Untitled9.cpp Untitled10.cpp Untitled11.cpp Untitled12.cpp Untitled13.cpp Untitled14.cpp gcd.cpp tsp.cpp

```

35
36 // Memorize the result
37 return dp[mask][pos] = min_cost;
38 }
39
40 int main() {
41     // Input number of cities
42     printf("Enter the number of cities: ");
43     scanf("%d", &n);
44
45     // Input distance matrix
46     printf("Enter the distance matrix (%d x %d):\n", n, n);
47     for (int i = 0; i < n; i++) {
48         for (int j = 0; j < n; j++) {
49             scanf("%d", &dist[i][j]);
50         }
51     }
52
53     // Initialize dp table with -1 (uncomputed)
54     for (int i = 0; i < (1 << n); i++) {
55         for (int j = 0; j < n; j++) {
56             dp[i][j] = -1;
57         }
58     }
59
60     // Start TSP from city 0
61     int min_cost = tsp(1, 0); // Start with mask 1 (only city 1)
62
63     // Output the minimum cost (shortest path)
64     printf("Minimum cost for TSP: %d\n", min_cost);
65
66     return 0;
67 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\kondu\OneDrive\Documents\tsp.exe
- Output Size: 129.671075 KB
- Compilation Time: 0.19s

Line: 57 Col: 2 Sel: 0 Lines: 67 Length: 1875 Insert Done parsing in 0.015 seconds

1453 25-06-2024

C:\Users\kondu\OneDrive\Documents\pattern reverse.cpp - (Executing) - Dev-C++ 5.11

```

File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug BST.cpp [ ] dynamic programming.cpp reversednumber.cpp perfect number.cpp pattern reverse.cpp
(globals)

31     printf("\n");
32
33
34     // Lower part of the cross (excluding middle line)
35     for (i = 1; i <= n; i++) {
36         // Print Leading spaces
37         for (k = n; k > i; k--) {
38             printf(" ");
39         }
40
41         // Print numbers from 1 to i
42         for (j = 1; j <= i; j++) {
43             printf("%d", j);
44             if (j < i) {
45                 printf(" ");
46             }
47         }
48
49         printf("\n");
50     }
51
52
53 int main() {
54     int n;
55
56     // Input the value of n
57     printf("Enter the value of n: ");
58     scanf("%d", &n);
59
60     // Print the reversed cross pattern
61     printCrossPatternReverse(n);
62
63
64     return 0;
65 }

Compiler ( ) Resources Compile Log Debug Find Results Close
Line Col File Message
1 19 C:\Users\kondu\OneDrive\Documents\pattern reverse.cpp [Warning] extra tokens at end of #include directive

Line: 54 Col: 2 Set: 0 Lines: 64 Length: 1369 Insert Done parsing in 0.016 seconds
21:23 23-06-2024 ENG IN

```

C:\Users\kondu\OneDrive\Documents\floyds triagle.cpp - (Executing) - Dev-C++ 5.11

```

File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug floyds triagle.cpp
(globals)

49
50
51     // Mark the picked vertex as processed
52     sptSet[v] = true;
53
54     // Update dist value of the adjacent vertices of the picked vertex.
55     for (int v = 0; v < V; v++) {
56         // Update dist[v] only if it is not in sptSet, there is an edge from
57         // u to v, and total weight of path from src to v through u is
58         // smaller than current value of dist[v]
59         if (!sptSet[v] && graph[u][v] && dist[u] != INT_MAX
60             && dist[u] + graph[u][v] < dist[v])
61             dist[v] = dist[u] + graph[u][v];
62     }
63
64
65     // print the constructed distance array
66     printSolution(dist);
67 }
68
69 int main() {
70     // Example graph represented using adjacency matrix
71     int graph[V][V] = {
72         {0, 4, 0, 0, 0, 0},
73         {4, 0, 8, 0, 0, 0},
74         {0, 8, 0, 7, 0, 4},
75         {0, 0, 7, 0, 9, 14},
76         {0, 0, 0, 9, 0, 10},
77         {0, 0, 4, 14, 10, 0}
78     };
79
80     dijkstra(graph, 0); // Calculate shortest paths from source vertex 0
81
82     return 0;
83 }

Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
-----  

- Errors: 0  

- Warnings: 0  

- Output Filename: C:\Users\kondu\OneDrive\Documents\floyds triagle.exe  

- Output Size: 125.2254521075 KB  

- Compilation Time: 0.17s

Line: 82 Col: 2 Set: 0 Lines: 82 Length: 2773 Insert Done parsing in 0.016 seconds
21:31 23-06-2024 ENG IN

```

C:\Users\kondu\OneDrive\Documents\pascal trainagle.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug floydstrinagle.cpp calculate factorial.cpp pascal trainagle.cpp

```

9 L )
10
11 // Function to calculate binomial coefficient C(n, k)
12 int binomialCoeff(int n, int k) {
13     return factorial(n) / (factorial(k) * factorial(n - k));
14 }
15
16 // Function to print Pascal's Triangle
17 void printPascalTriangle(int numRows) {
18     for (int i = 0; i < numRows; i++) {
19         // Print spaces for alignment
20         for (int space = 1; space <= numRows - i; space++)
21             printf(" ");
22
23         // Print values in a row
24         for (int j = 0; j <= i; j++)
25             printf("%4d", binomialCoeff(i, j));
26
27         printf("\n");
28     }
29 }
30
31 int main() {
32     int numRows;
33
34     // Input the number of rows for Pascal's Triangle
35     printf("Enter the number of rows for Pascal's Triangle: ");
36     scanf("%d", &numRows);
37
38     // Print Pascal's Triangle with the specified number of rows
39     printPascalTriangle(numRows);
40
41     return 0;
42 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Line: 42 Col: 2 Set: 0 Lines: 42 Length: 1041 Insert Done parsing in 0.015 seconds

21:51 23-06-2024

C:\Users\kondu\OneDrive\Do +

Enter the number of rows for Pascal's Triangle: 5

1	1			
1	2	1		
1	3	3	1	
1	4	6	4	1

Process exited after 1.462 seconds with return value 0  
Press any key to continue . . .

C:\Users\kondu\OneDrive\Documents\dijkstra graph.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-BIT Release

Project Classes Debug floydstrinagle.cpp calculate factorial.cpp pascal trainagle.cpp dijkstra graph.cpp

```

49
50
51 // Mark the picked vertex as processed
52 sptSet[v] = true;
53
54 // Update dist value of the adjacent vertices of the picked vertex.
55 for (int v = 0; v < V; v++) {
56     // Update dist[v] only if it is not in sptSet, there is an edge from
57     // u to v, and total weight of path from src to v through u is
58     // smaller than current value of dist[v]
59     if (!sptSet[v] && graph[u][v] && dist[u] != INT_MAX
60         && dist[u] + graph[u][v] < dist[v])
61         dist[v] = dist[u] + graph[u][v];
62 }
63
64 // print the constructed distance array
65 printSolution(dist);
66 }
67
68 int main() {
69     // Example graph represented using adjacency matrix
70     int graph[V][V] = {
71         {0, 4, 0, 0, 0, 0}, {4, 0, 0, 0, 0, 0}, {0, 0, 0, 7, 0, 4}, {0, 0, 7, 0, 9, 14}, {0, 0, 0, 9, 0, 10}, {0, 0, 4, 14, 10, 0}
72     };
73
74     dijkstra(graph, 0); // Calculate shortest paths from source vertex 0
75
76     return 0;
77 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Line: 82 Col: 2 Set: 0 Lines: 82 Length: 2773 Insert Done parsing in 0 seconds

21:52 23-06-2024

C:\Users\kondu\OneDrive\Do +

Vertex	Distance from Source
0	0
1	4
2	12
3	19
4	26
5	16

Process exited after 0.04266 seconds with return value 0  
Press any key to continue . . .

C:\Users\kondu\OneDrive\Documents\sum of digits.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug RoydsTriangle.cpp calculateFactorial.cpp pascalTriangle.cpp dijkstraGraph.cpp sum of digits.cpp

```
1 #include <stdio.h>
2
3 // Function to calculate the sum of digits of a number
4 int sumOfDigits(int number) {
5     int sum = 0;
6
7     // Loop until number becomes 0
8     while (number != 0) {
9         // Add the last digit to sum
10        sum += number % 10;
11
12        // Remove the last digit from number
13        number /= 10;
14    }
15
16    return sum;
17 }
18
19 int main() {
20     int number;
21
22     // Input the number from the user
23     printf("Enter a number: ");
24     scanf("%d", &number);
25
26     // Calculate the sum of digits
27     int sum = sumOfDigits(number);
28
29     // Print the result
30     printf("Sum of digits of %d is %d\n", number, sum);
31
32     return 0;
33 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\kondu\OneDrive\Documents\sum of digits.exe
- Output Size: 128.6357421875 Kib
- Compilation Time: 0.16s

Line: 33 Col: 2 Set: 0 Lines: 33 Length: 679 Insert Done parsing in 0.015 seconds

21°C Partly cloudy 21:52 23-06-2024

C:\Users\kondu\OneDrive\Documents\Do + v

Enter a number: 5678  
Sum of digits of 5678 is 26

-----  
Process exited after 3.329 seconds with return value 0  
Press any key to continue . . .

C:\Users\kondu\OneDrive\Documents\Untitled6.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug max and min.cpp Untitled2.cpp Untitled3.cpp Untitled4.cpp Untitled5.cpp Untitled6.cpp

```
21     minE = arr[i];
22 }
23
24 // If current element is greater
25 // than maxE then update it
26 if (arr[i] > maxE) {
27     maxE = arr[i];
28 }
29
30
31 // Print the minimum and maximum element
32 printf("The minimum element is %d", minE);
33 printf("\n");
34 printf("The maximum element is %d", maxE);
35
36
37 }
38
39 // Driver Code
40 int main()
41 {
42
43     // Given array
44     int arr[] = { 1, 2, 4, -1 };
45
46     // Length of the array
47     int N = sizeof(arr) / sizeof(arr[0]);
48
49     // Function call
50     findMinimumMaximum(arr, N);
51
52 }
53 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\kondu\OneDrive\Documents\Untitled6.exe
- Output Size: 128.6464040375 Kib
- Compilation Time: 0.25s

Line: 54 Col: 1 Set: 0 Lines: 54 Length: 989 Insert Done parsing in 0 seconds

34°C Mostly cloudy 13:56 23-06-2024

C:\Users\kondu\OneDrive\Documents\Do + v

The minimum element is -1  
The maximum element is 4

-----  
Process exited after 0.0564 seconds with return value 0  
Press any key to continue . . .

C:\Users\kondu\OneDrive\Documents\Untitled7.cpp - [Executing] - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug max and min.cpp Untitled2.cpp Untitled3.cpp Untitled4.cpp Untitled5.cpp Untitled6.cpp Untitled7.cpp
(globals) board[row][col] = 1;

    // Recur to place rest of the queens
    if (solveNQueens(row + 1))
        return true;

    // If placing queen in board[row][col] doesn't lead to a solution,
    // then backtrack: remove queen from board[row][col]
    board[row][col] = 0;
}

// If no column allows a queen to be placed in this row, return false
return false;
}

int main() {
    // Initialize the board with zeros
    for (int i = 0; i < N; i++) {
        for (int j = 0; j < N; j++) {
            board[i][j] = 0;
        }
    }

    // Call the recursive function to solve N Queens problem starting from the first
    if (solveNQueens(0)) {
        printf("Solution found:\n");
        printBoard();
    } else {
        printf("No solution exists for N = %d.\n", N);
    }

    return 0;
}
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\Untitled7.exe  
- Output Size: 129.8876953125 Kib  
- Compilation Time: 0.22s

Line: 86 Col: 2 Set: 0 Lines: 86 Length: 2286 Insert Done parsing in 0.031 seconds

134°C Mostly cloudy 13:59 25-06-2024 ENG IN

Solution found:  
1 0 0 0 0 0 0  
0 0 0 0 1 0 0 0  
0 0 0 0 0 0 0 1  
0 0 0 0 0 1 0 0  
0 0 1 0 0 0 0 0  
0 0 0 0 0 0 1 0  
0 1 0 0 0 0 0 0  
0 0 0 1 0 0 0 0

Process exited after 0.07181 seconds with return value 0  
Press any key to continue . . . |

C:\Users\kondu\OneDrive\Documents\sum of subsets.cpp - [Executing] - Dev-C++ 5.11

```
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug insert a number.cpp sum of subsets.cpp
(globals) void generateSubsets(int index, int sum) {
    if (index == n) {
        // Base case: Print current subset and its sum
        printf("{ ");
        for (int i = 0; i < index; i++) {
            printf("%d ", subset[i]);
        }
        printf("} Sum: %d\n", sum);
        return;
    }

    // Include current element in the subset and recurse
    subset[index] = set[index];
    generateSubsets(index + 1, sum + set[index]);

    // Exclude current element from the subset and recurse
    generateSubsets(index + 1, sum);
}

int main() {
    // Example set initialization
    printf("Enter number of elements in the set: ");
    scanf("%d", &n);

    printf("Enter the elements of the set:\n");
    for (int i = 0; i < n; i++) {
        scanf("%d", &set[i]);
    }

    printf("Subsets and their sums:\n");
    generateSubsets(0, 0); // Start generating subsets from index 0 with initial sum 0
    return 0;
}
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\sum of subsets.exe  
- Output Size: 129.3623046075 Kib  
- Compilation Time: 0.19s

Line: 43 Col: 2 Set: 0 Lines: 43 Length: 1249 Insert Done parsing in 0.013 seconds

34°C Mostly cloudy 18:42 25-06-2024 ENG IN

Enter number of elements in the set: 2  
Enter the elements of the set:  
2  
2  
Subsets and their sums:  
{ 2 2 } Sum: 4  
{ 2 2 } Sum: 2  
{ 2 2 } Sum: 2  
{ 2 2 } Sum: 0

Process exited after 3.346 seconds with return value 0  
Press any key to continue . . . |

C:\Users\kondu\OneDrive\Documents\hamilton circuit.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-bit Release

Project Classes Debug insert a number.cpp sum of subsets.cpp graph coloring.cpp container loading.cpp Untitled5 factorial.cpp assignment problem.cpp linear search.cpp [\*] Untitled6 hamilton circuit.cpp

53 void hamiltonianCircuit() {  
54 path[0] = 0; // Start from vertex 0 as the first vertex in the path  
55 for (int i = 1; i < numVertices; i++)  
56 path[i] = -1; // Initialize all other vertices as not included in the path  
57  
58 C:\Users\kondu\OneDrive\Do +  
59 Enter number of vertices: 2  
60 Enter the adjacency matrix (2 x 2):  
61 2  
62 2  
63 2  
64 2  
65 2  
66 Hamiltonian circuit does not exist.  
67  
68 -----  
69 Process exited after 10.95 seconds with return value 0  
70 Press any key to continue . . . |  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86

Compiler Resources

Abort Compilation

Shorten compiler paths

Line: 86 Col: 2 Set: 0 Lines: 86 Length: 2780 Insert Done parsing in 0.015 seconds

Weather alert In effect

18:56 25-06-2024

This screenshot shows the Dev-C++ IDE interface. The main window displays a C++ code snippet for finding a Hamiltonian circuit. When run, it asks for the number of vertices (2) and the adjacency matrix. It then outputs that a Hamiltonian circuit does not exist. The status bar at the bottom shows the compilation and execution details.

C:\Users\kondu\OneDrive\Documents\container loading.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.5.2 64-bit Release

Project Classes Debug insert a number.cpp sum of subsets.cpp graph coloring.cpp container loading.cpp

33 // Start Loading into a new truck  
34 truckCount++;  
35 printf("\nTruck %d\n", truckCount + 1);  
36 printf("Container %d (Weight: %d)\n", containers[i].id, containers[i].weight);  
37 currentWeight -= containers[i].weight; // Reset current weight  
38  
39 C:\Users\kondu\OneDrive\Do +  
40  
41 Enter number of containers: 2  
42 Enter details for each container (id, weight, capacity):  
43 Container 1: 2  
44 2  
45 Container 2: 2  
46 2  
47 Enter maximum weight capacity of each truck: 2  
48  
49 Loading containers into trucks...  
50  
51 Truck 1:  
52 Container 2 (Weight: 2)  
53  
54 Truck 2:  
55 Container 1 (Weight: 2)  
56  
57 Total trucks used: 2  
58  
-----  
59 Process exited after 14.12 seconds with return value 0  
60 Press any key to continue . . . |  
61  
62  
63  
64  
65  
66

Compiler Resources

Abort Compilation

Shorten compiler paths

Line: 66 Col: 2 Set: 0 Lines: 66 Length: 2432 Insert Done parsing in 0.047 seconds

Weather alert In effect

18:45 25-06-2024

This screenshot shows the Dev-C++ IDE interface. The main window displays a C++ code snippet for loading containers into trucks. When run, it asks for the number of containers (2) and their details. It then asks for the maximum weight capacity of each truck (2). The program then prints out the loading details for each truck. The status bar at the bottom shows the compilation and execution details.

C:\Users\kondu\OneDrive\Documents\n factorial.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes Debug insert a number.cpp sum of subsets.cpp graph coloring.cpp container loading.cpp Untitled

1 #include <stdio.h>

2

3 void generateFactors(int m) {

4 printf("Factors of %d are: ", m);

5 for (int i = 1; i <= m; ++i) {

6 if (m % i == 0) {

7 printf("%d ", i);

8 }

9 }

10 }

11 printf("\n");

12

13 int main() {

14 int m;

15 printf("Enter a number to find its factors: ");

16 scanf("%d", &m);

17 generateFactors(m);

18 return 0;

19 }

20

C:\Users\kondu\OneDrive\Do x + v

Enter a number to find its factors: 2

Factors of 2 are: 1 2

Process exited after 6.89 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\kondu\OneDrive\Documents\n factorial.exe

- Output Size: 129.3115234375 Kib

- Compilation Time: 0.23s

Line: 20 Col: 1 Set: 0 Lines: 20 Length: 374 Insert Done parsing in 0 seconds

34°C Mostly cloudy

Search

18:51 25-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\assignment problem.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

Project Classes C:\Users\kondu\OneDrive\Do x + v

Enter the number of agents (or tasks): 2

Enter the cost matrix (2 x 2):

2

2

2

2

Minimum cost: 4

Optimal assignment:

Agent 1 -> Task 0

Agent 2 -> Task 0

Process exited after 7.368 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\kondu\OneDrive\Documents\assignment problem.exe

- Output Size: 130.0009765625 Kib

- Compilation Time: 0.20s

Line: 85 Col: 2 Set: 0 Lines: 85 Length: 2364 Insert Done parsing in 0.016 seconds

AFG - BAN Game score

18:54 25-06-2024 ENG IN

C:\Users\kondu\OneDrive\Documents\linear search.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

Project Classes Debug insert a number.cpp sum of subsets.cpp graph coloring.cpp container loading.cpp Untitled5 n factorial.cpp assignment problem.cpp linear search.cpp

1 #include <stdio.h>

```
Element 34 found at index 3.

Process exited after 0.04717 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compute Log Debug Find Results Close

Abrt Compilation

- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\linear search.exe  
- Output Size: 128.9697265625 Kib  
- Compilation Time: 0.22s

Line: 29 Col: 2 Set: 0 Lines: 29 Length: 805 Insert Done parsing in 0 seconds

34°C Mostly cloudy 18:55 25-06-2024

C:\Users\kondu\OneDrive\Documents\hamilton circuit.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TIM-GCC 4.9.2 64-bit Release

Project Classes Debug insert a number.cpp sum of subsets.cpp graph coloring.cpp container loading.cpp Untitled5 n factorial.cpp assignment problem.cpp linear search.cpp hamilton circuit.cpp

```
53 void hamiltonianCircuit() {
54     path[0] = 0; // Start from vertex 0 as the first vertex in the path
55     for (int i = 1; i < numVertices; i++)
56         path[i] = -1; // Initialize all other vertices as not included in the path
57
58     C:\Users\kondu\OneDrive\Do x + v
59
60     Enter number of vertices: 2
61     Enter the adjacency matrix (2 x 2):
62     2
63     2
64     2
65     2
66     Hamiltonian circuit does not exist.
67
68
69 Process exited after 10.95 seconds with return value 0
70 Press any key to continue . . .
```

Compiler Resources

Abrt Compilation

- Warnings: 0  
- Output Filename: C:\Users\kondu\OneDrive\Documents\hamilton circuit.exe  
- Output Size: 129.574609375 Kib  
- Compilation Time: 0.20s

Line: 86 Col: 2 Set: 0 Lines: 86 Length: 2780 Insert Done parsing in 0.015 seconds

Weather alert In effect 18:56 25-06-2024