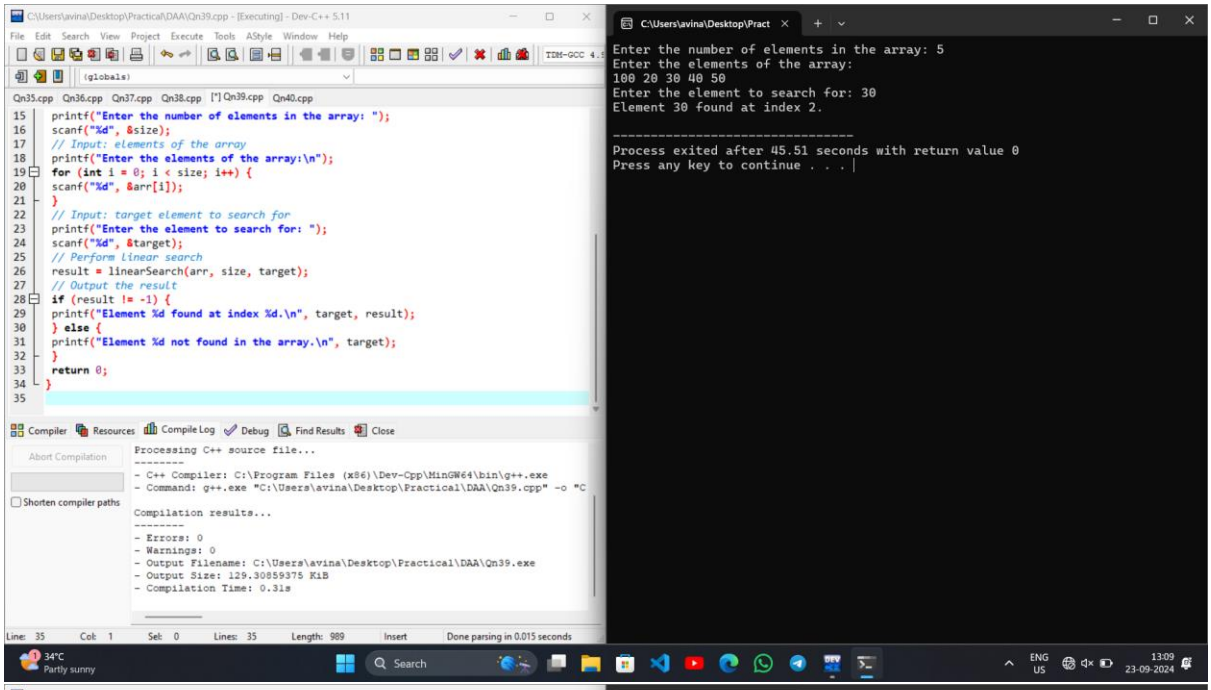
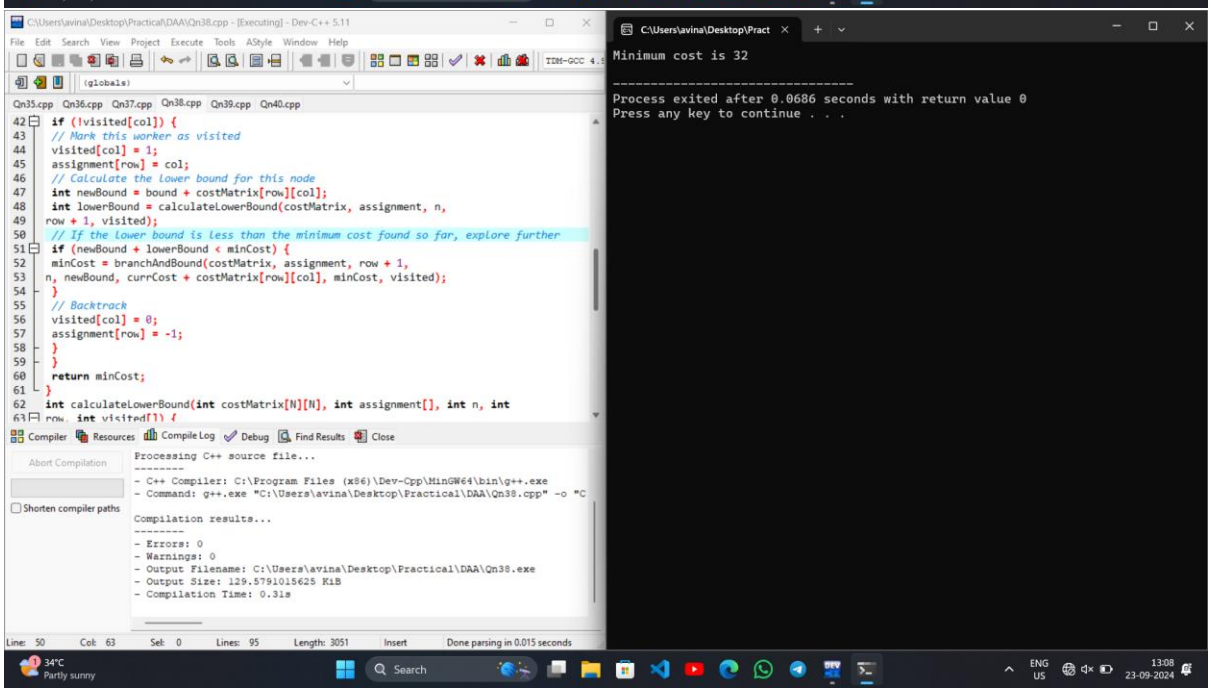
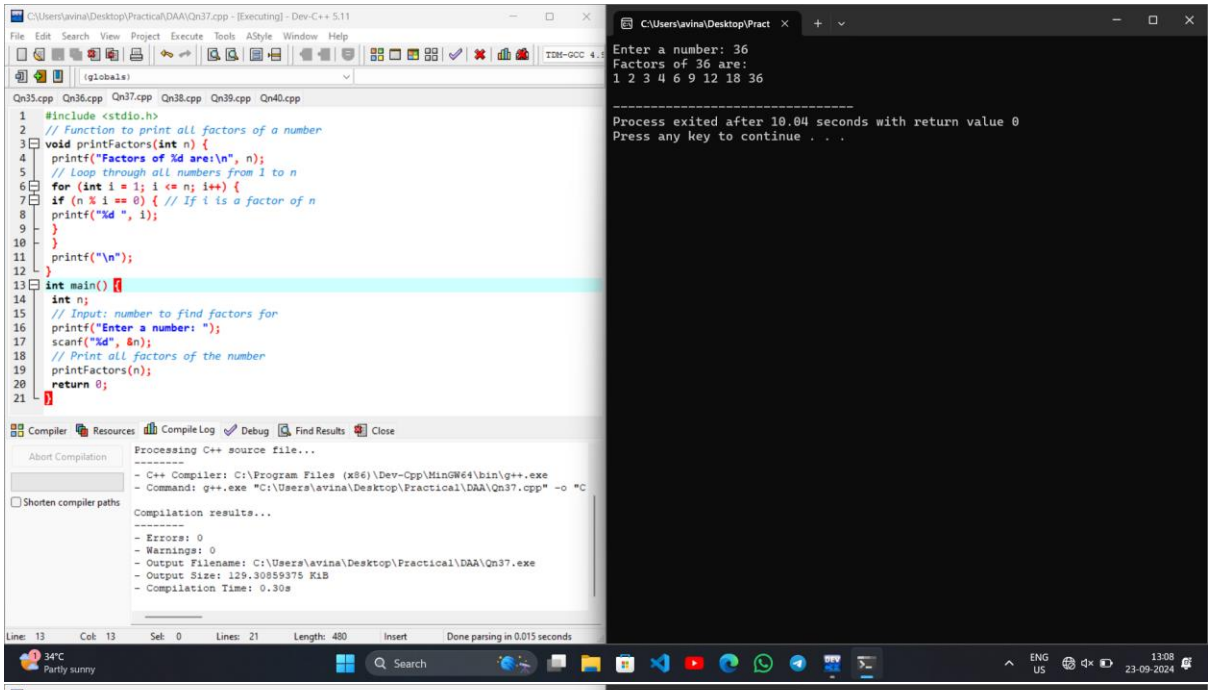
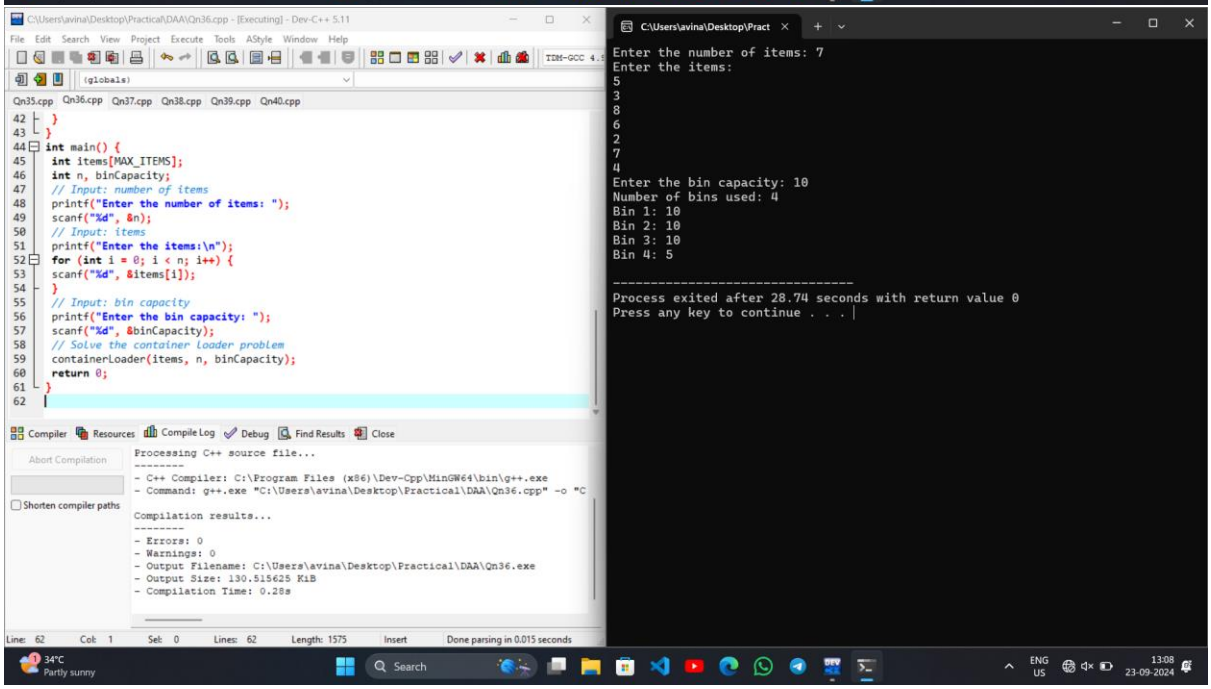
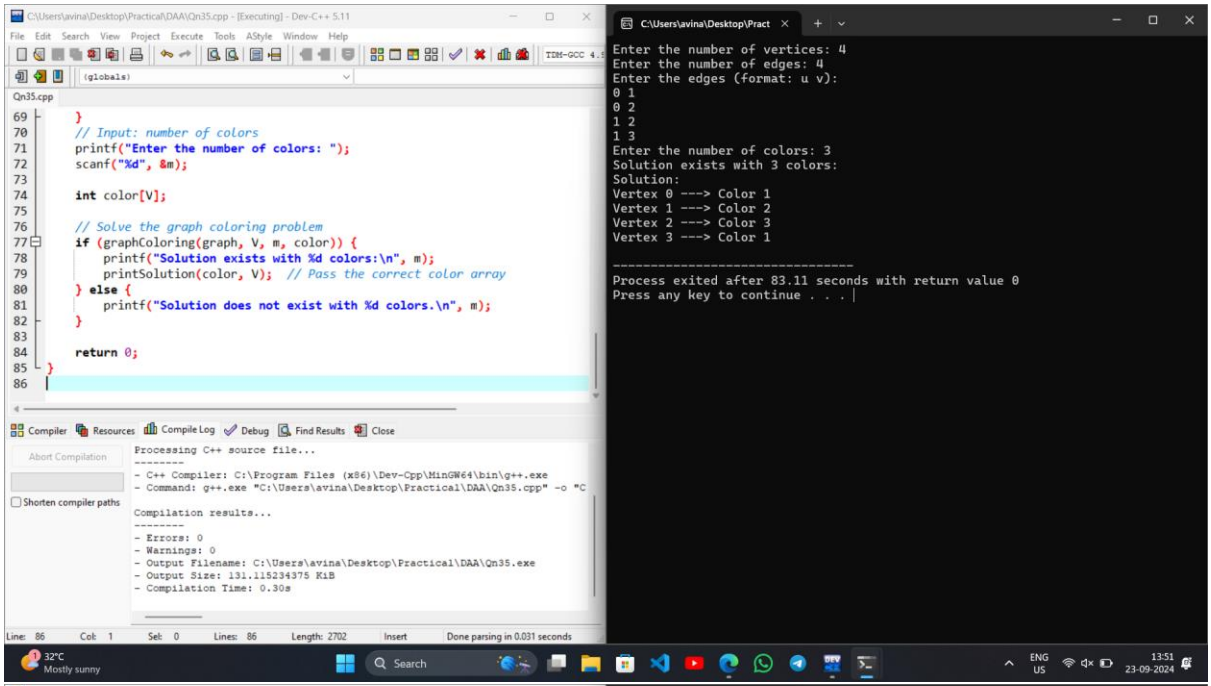
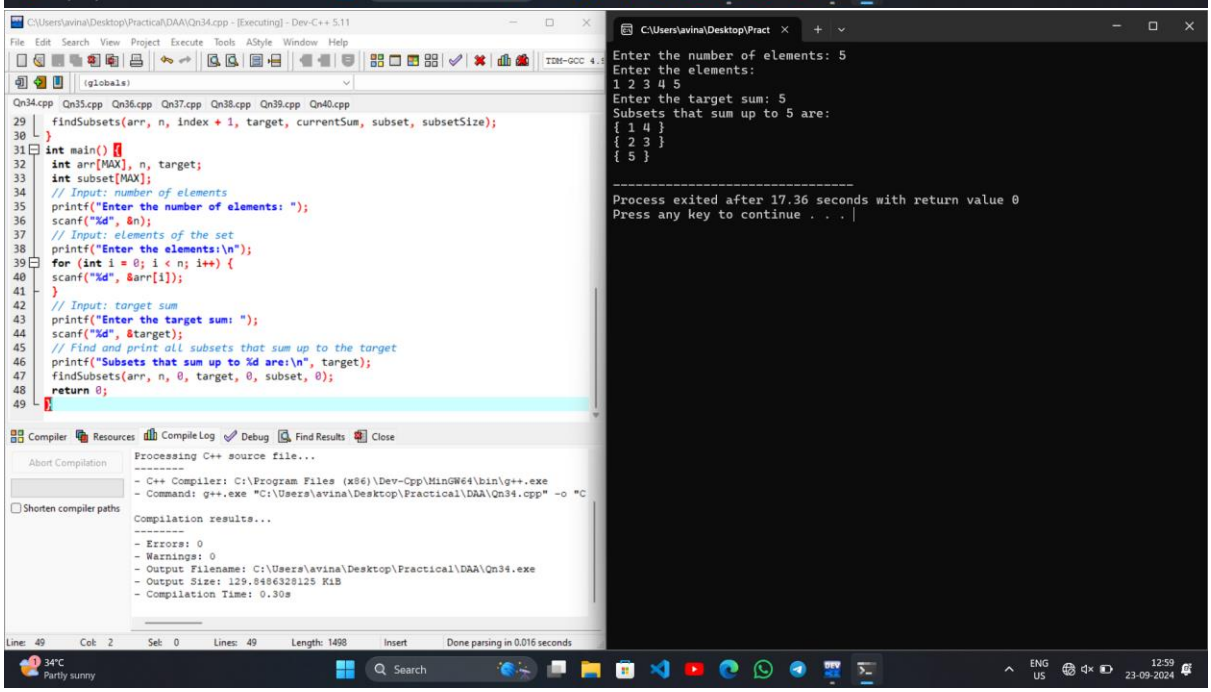

C:\Users\avina\Desktop\Practical\DAA\Qn39.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp [*] Qn39.cpp Qn40.cpp
15 printf("Enter the number of elements in the array: ");
16 scanf("%d", &size);
17 // Input: elements of the array
18 printf("Enter the elements of the array:\n");
19 for (int i = 0; i < size; i++) {
20 scanf("%d", &arr[i]);
21 }
22 // Input: target element to search for
23 printf("Enter the element to search for: ");
24 scanf("%d", &target);
25 // Perform linear search
26 result = linearSearch(arr, size, target);
27 // Output the result
28 if (result != -1) {
29 printf("Element %d found at index %d.\n", target, result);
30 } else {
31 printf("Element %d not found in the array.\n", target);
32 }
33 return 0;
34 }
35
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn39.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn39.exe
- Output Size: 129.30859375 KiB
- Compilation Time: 0.31s
Line: 35 Col: 1 Sel: 0 Lines: 35 Length: 989 Insert Done parsing in 0.015 seconds
C:\Users\avina\Desktop\Pract
Enter the number of elements in the array: 5
Enter the elements of the array:
100 20 30 40 50
Enter the element to search for: 30
Element 30 found at index 2.
Process exited after 45.51 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
13:09 23-09-2024

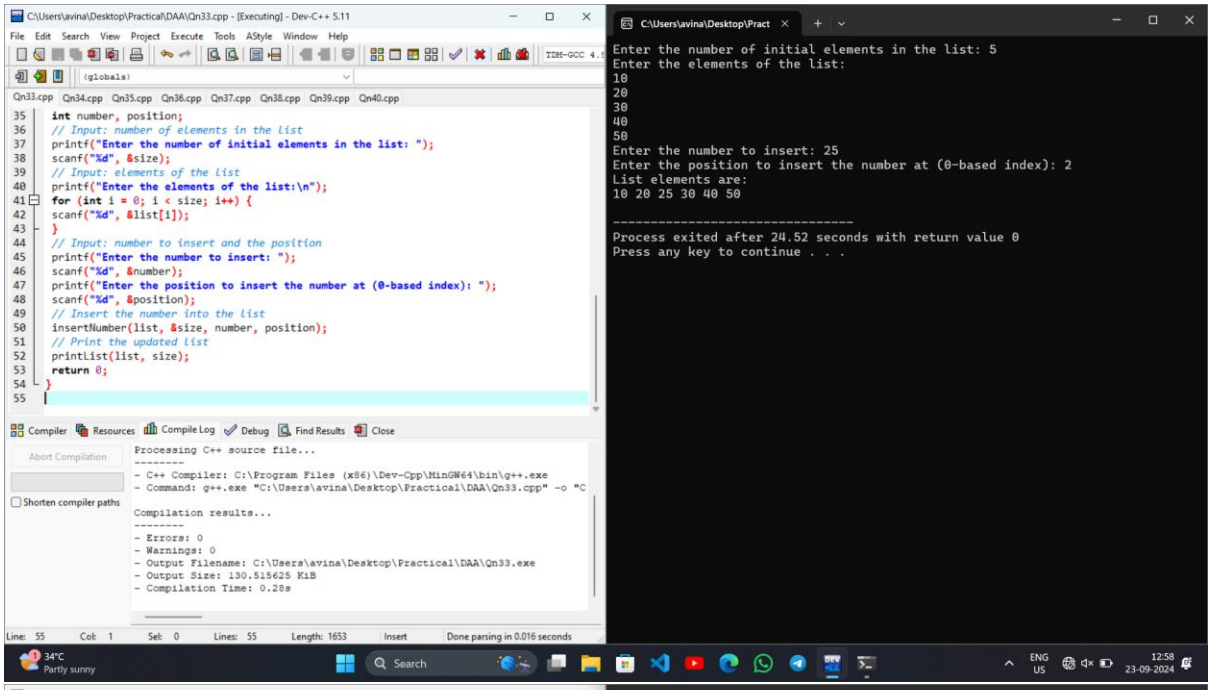

C:\Users\avina\Desktop\Practical\DAA\Qn38.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
42 if (!visited[col]) {
43 // Mark this worker as visited
44 visited[col] = 1;
45 assignment[row] = col;
46 // Calculate the lower bound for this node
47 int newBound = bound + costMatrix[row][col];
48 int lowerBound = calculateLowerBound(costMatrix, assignment, n,
row + 1, visited);
50 // If the lower bound is less than the minimum cost found so far, explore further
51 if (newBound + lowerBound < minCost) {
52 minCost = branchAndBound(costMatrix, assignment, row + 1,
n, newBound, currCost + costMatrix[row][col], minCost, visited);
54 }
55 // Backtrack
56 visited[col] = 0;
57 assignment[row] = -1;
58 }
59 }
60 return minCost;
61 }
62 int calculateLowerBound(int costMatrix[N][N], int assignment[], int n, int
63 row, int visited[]) {
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn38.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn38.exe
- Output Size: 129.5791015625 KiB
- Compilation Time: 0.31s
Line: 50 Col: 63 Sel: 0 Lines: 95 Length: 3051 Insert Done parsing in 0.015 seconds
C:\Users\avina\Desktop\Pract
Minimum cost is 32
Process exited after 0.0686 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
13:08 23-09-2024


C:\Users\avina\Desktop\Practical\DAA\Qn37.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
#include <stdio.h>
// Function to print all factors of a number
void printFactors(int n) {
printf("Factors of %d are:\n", n);
// Loop through all numbers from 1 to n
for (int i = 1; i <= n; i++) {
if (n % i == 0) { // If i is a factor of n
printf("%d ", i);
}
}
printf("\n");
}
int main() {
int n;
// Input: number to find factors for
printf("Enter a number: ");
scanf("%d", &n);
// Print all factors of the number
printFactors(n);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn37.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn37.exe
- Output Size: 129.30859375 KiB
- Compilation Time: 0.30s
Line: 13 Col: 13 Sel: 0 Lines: 21 Length: 480 Insert Done parsing in 0.015 seconds
C:\Users\avina\Desktop\Pract
Enter a number: 36
Factors of 36 are:
1 2 3 4 6 9 12 18 36
Process exited after 10.04 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
13:08 23-09-2024


C:\Users\avina\Desktop\Practical\DAA\Qn36.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
}
}
int main() {
int items[MAX_ITEMS];
int n, binCapacity;
// Input: number of items
printf("Enter the number of items: ");
scanf("%d", &n);
// Input: items
printf("Enter the items:\n");
for (int i = 0; i < n; i++) {
scanf("%d", &items[i]);
}
// Input: bin capacity
printf("Enter the bin capacity: ");
scanf("%d", &binCapacity);
// Solve the container loader problem
containerLoader(items, n, binCapacity);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn36.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn36.exe
- Output Size: 130.515625 KiB
- Compilation Time: 0.28s
Line: 62 Col: 1 Sel: 0 Lines: 62 Length: 1575 Insert Done parsing in 0.015 seconds
C:\Users\avina\Desktop\Pract
Enter the number of items: 7
Enter the items:
5
3
8
6
2
7
4
Enter the bin capacity: 10
Number of bins used: 4
Bin 1: 10
Bin 2: 10
Bin 3: 10
Bin 4: 5
Process exited after 28.74 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
13:08 23-09-2024

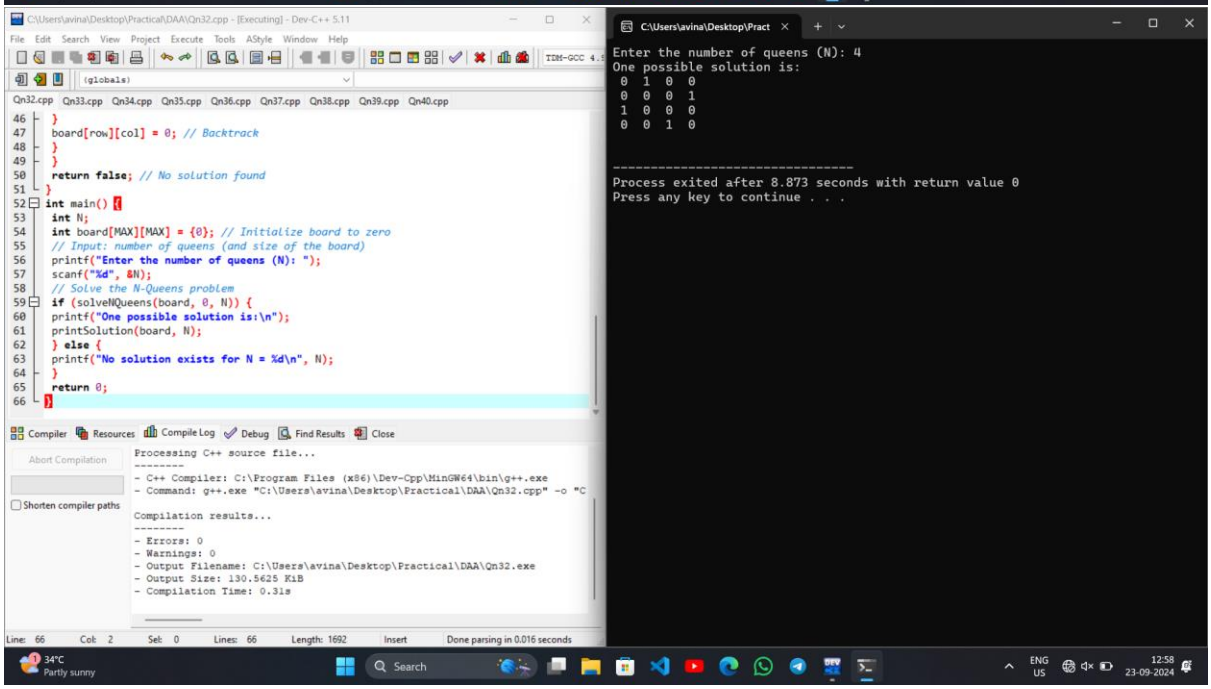

C:\Users\avina\Desktop\Practical\DAA\Qn35.cpp - [Executing] - Dev-C++ 5.11
Qn35.cpp
}
// Input: number of colors
printf("Enter the number of colors: ");
scanf("%d", &m);
int color[V];
// Solve the graph coloring problem
if (graphColoring(graph, V, m, color)) {
printf("Solution exists with %d colors:\n", m);
printSolution(color, V); // Pass the correct color array
} else {
printf("Solution does not exist with %d colors.\n", m);
}
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn35.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn35.exe
- Output Size: 131.115234375 KiB
- Compilation Time: 0.30s
C:\Users\avina\Desktop\Pract
Enter the number of vertices: 4
Enter the number of edges: 4
Enter the edges (format: u v):
0 1
0 2
1 2
1 3
Enter the number of colors: 3
Solution exists with 3 colors:
Solution:
Vertex 0 ---> Color 1
Vertex 1 ---> Color 2
Vertex 2 ---> Color 3
Vertex 3 ---> Color 1
Process exited after 83.11 seconds with return value 0
Press any key to continue . . .


C:\Users\avina\Desktop\Practical\DAA\Qn34.cpp - [Executing] - Dev-C++ 5.11
Qn34.cpp Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
findSubsets(arr, n, index + 1, target, currentSum, subset, subsetSize);
}
int main() {
int arr[MAX], n, target;
int subset[MAX];
// Input: number of elements
printf("Enter the number of elements: ");
scanf("%d", &n);
// Input: elements of the set
printf("Enter the elements:\n");
for (int i = 0; i < n; i++) {
scanf("%d", &arr[i]);
}
// Input: target sum
printf("Enter the target sum: ");
scanf("%d", &target);
// Find and print all subsets that sum up to the target
printf("Subsets that sum up to %d are:\n", target);
findSubsets(arr, n, 0, target, 0, subset, 0);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn34.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn34.exe
- Output Size: 129.8486328125 KiB
- Compilation Time: 0.30s
C:\Users\avina\Desktop\Pract
Enter the number of elements: 5
Enter the elements:
1 2 3 4 5
Enter the target sum: 5
Subsets that sum up to 5 are:
{ 1 4 }
{ 2 3 }
{ 5 }
Process exited after 17.36 seconds with return value 0
Press any key to continue . . .



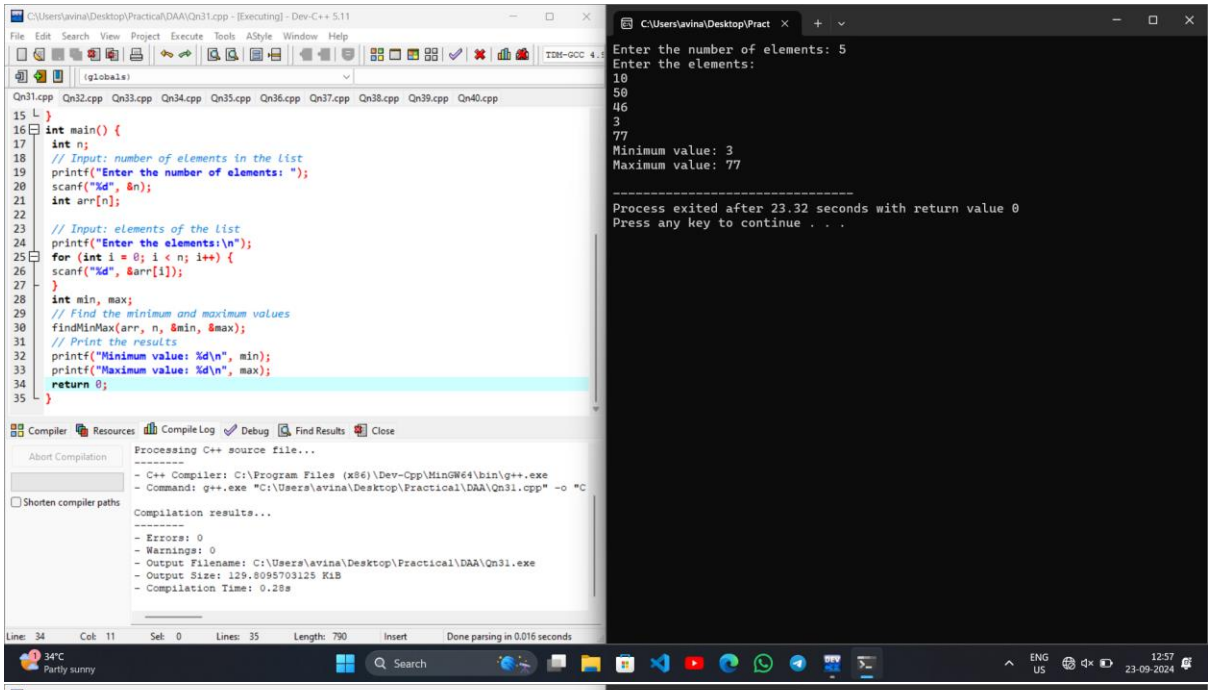
```
int number, position;
// Input: number of elements in the list
printf("Enter the number of initial elements in the list: ");
scanf("%d", &size);
// Input: elements of the list
printf("Enter the elements of the list:\n");
for (int i = 0; i < size; i++) {
scanf("%d", &list[i]);
}
// Input: number to insert and the position
printf("Enter the number to insert: ");
scanf("%d", &number);
printf("Enter the position to insert the number at (0-based index): ");
scanf("%d", &position);
// Insert the number into the list
insertNumber(list, &size, number, position);
// Print the updated list
printList(list, size);
return 0;
}
```

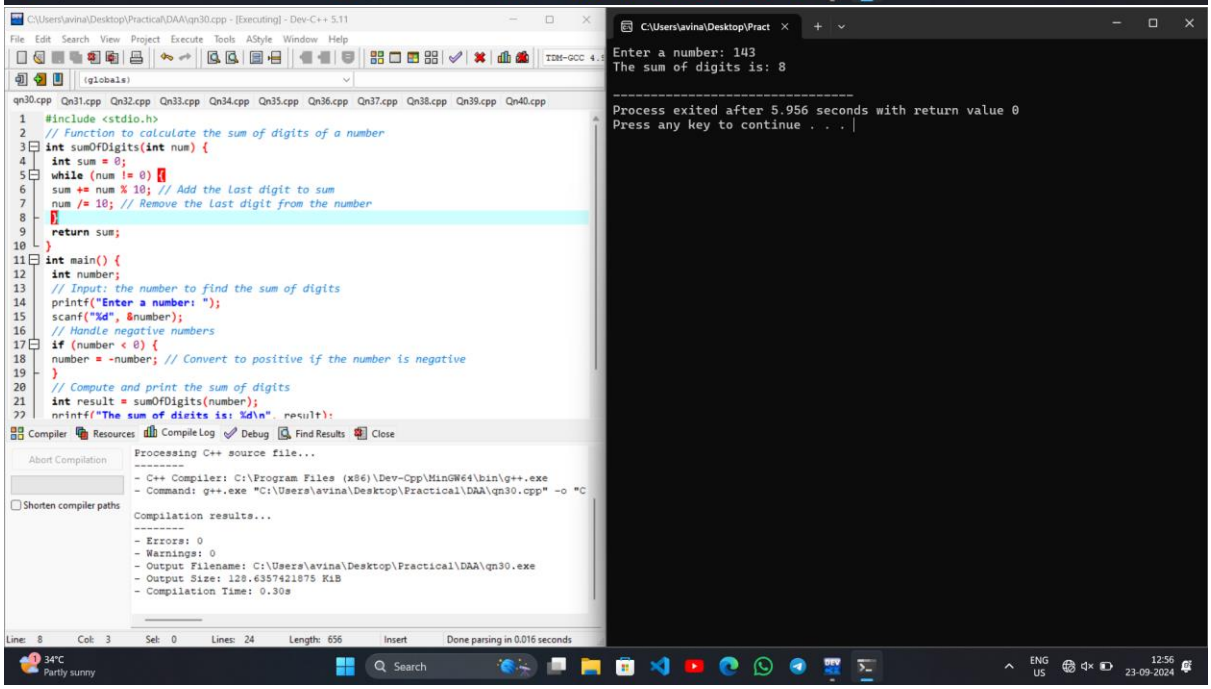
```
Enter the number of initial elements in the list: 5
Enter the elements of the list:
10
20
30
40
50
Enter the number to insert: 25
Enter the position to insert the number at (0-based index): 2
List elements are:
10 20 25 30 40 50

--------------------------------
Process exited after 24.52 seconds with return value 0
Press any key to continue . . .
```

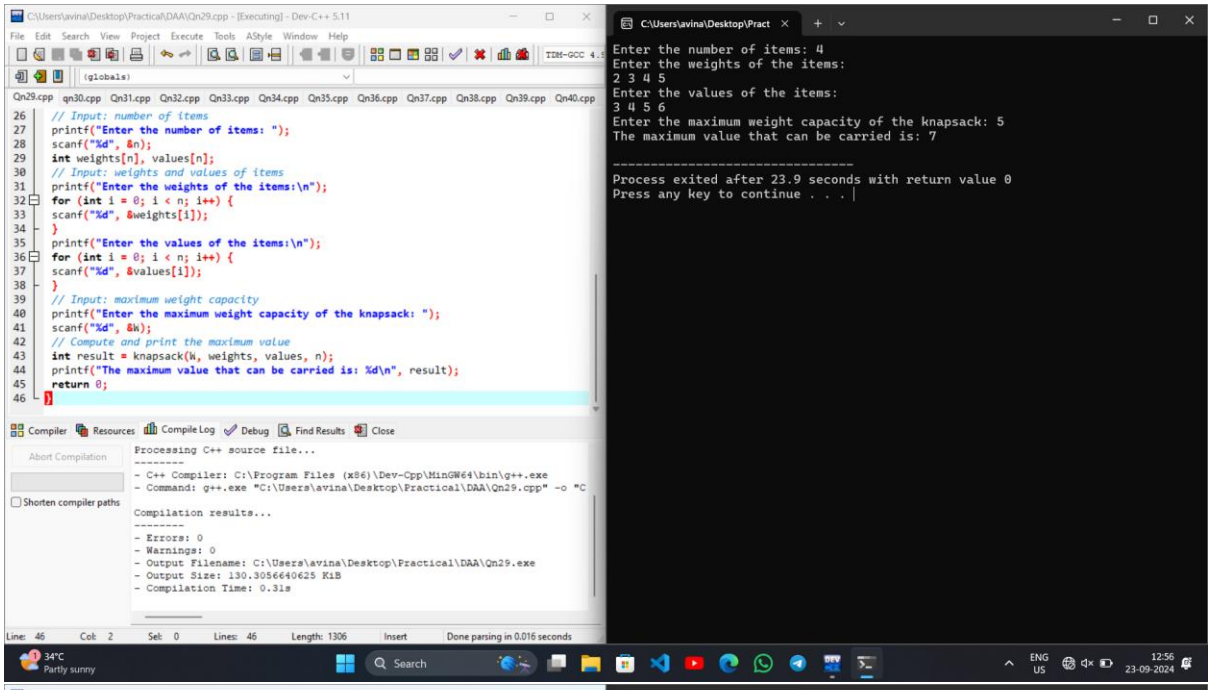


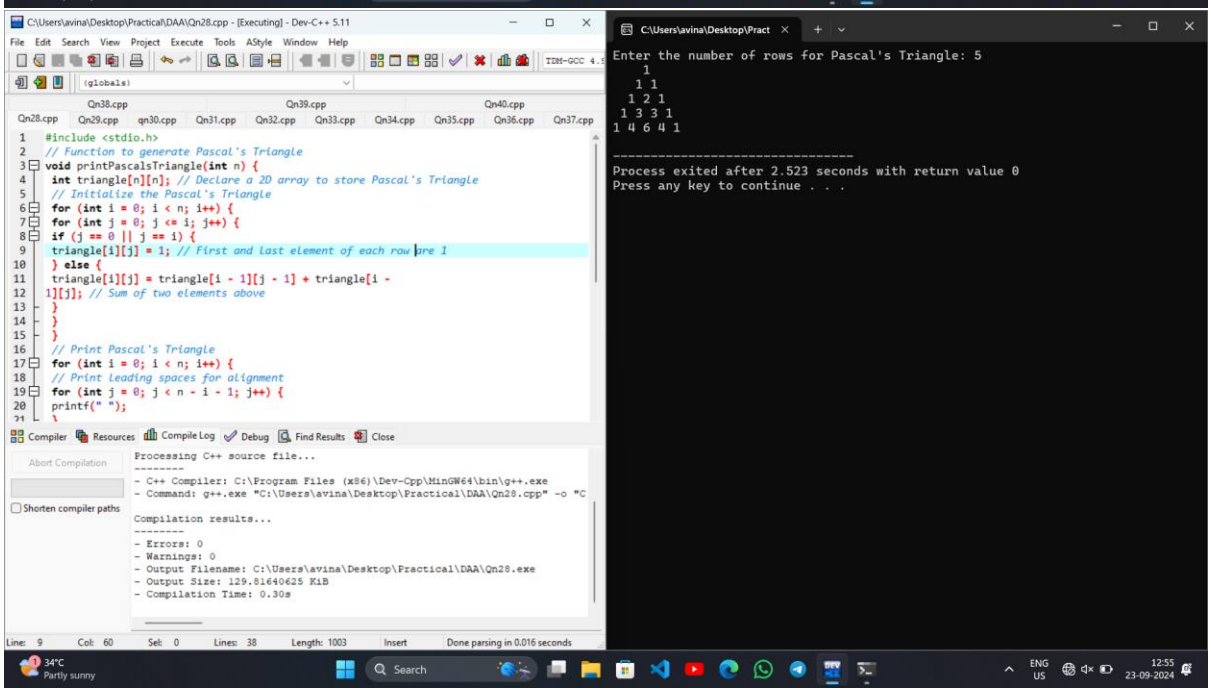
```
}
board[row][col] = 0; // Backtrack
}
}
return false; // No solution found
}
int main() {
int N;
int board[MAX][MAX] = {0}; // Initialize board to zero
// Input: number of queens (and size of the board)
printf("Enter the number of queens (N): ");
scanf("%d", &N);
// Solve the N-Queens problem
if (solveNQueens(board, 0, N)) {
printf("One possible solution is:\n");
printSolution(board, N);
} else {
printf("No solution exists for N = %d\n", N);
}
return 0;
}
```

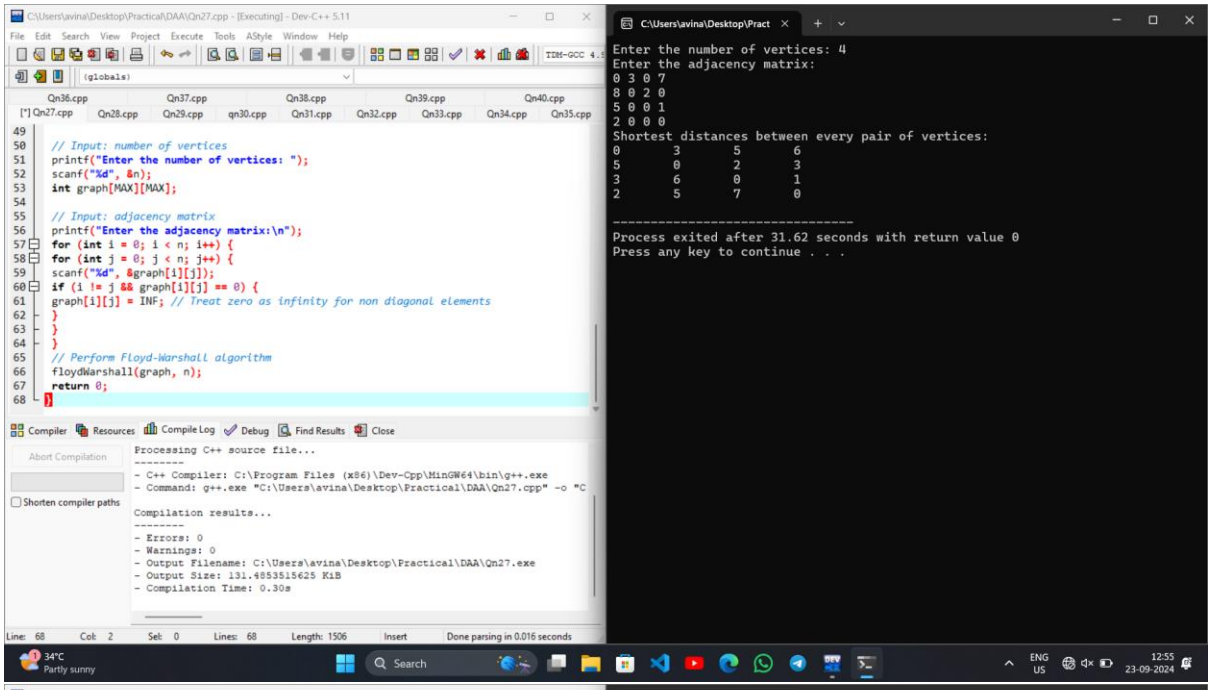
```
Enter the number of queens (N): 4
One possible solution is:
 0  1  0  0
 0  0  0  1
 1  0  0  0
 0  0  1  0


--------------------------------
Process exited after 8.873 seconds with return value 0
Press any key to continue . . .
```


C:\Users\avina\Desktop\Practical\DAA\Qn31.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn31.cpp Qn32.cpp Qn33.cpp Qn34.cpp Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
15 }
16 int main() {
17 int n;
18 // Input: number of elements in the list
19 printf("Enter the number of elements: ");
20 scanf("%d", &n);
21 int arr[n];
22
23 // Input: elements of the list
24 printf("Enter the elements:\n");
25 for (int i = 0; i < n; i++) {
26 scanf("%d", &arr[i]);
27 }
28 int min, max;
29 // Find the minimum and maximum values
30 findMinMax(arr, n, &min, &max);
31 // Print the results
32 printf("Minimum value: %d\n", min);
33 printf("Maximum value: %d\n", max);
34 return 0;
35 }
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn31.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn31.exe
- Output Size: 129.8095703125 KiB
- Compilation Time: 0.28s
Line: 34 Col: 11 Sel: 0 Lines: 35 Length: 790 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter the number of elements: 5
Enter the elements:
10
50
46
3
77
Minimum value: 3
Maximum value: 77
Process exited after 23.32 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
12:57 23-09-2024


C:\Users\avina\Desktop\Practical\DAA\qn30.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
qn30.cpp Qn31.cpp Qn32.cpp Qn33.cpp Qn34.cpp Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
1 #include <stdio.h>
2 // Function to calculate the sum of digits of a number
3 int sumOfDigits(int num) {
4 int sum = 0;
5 while (num != 0) {
6 sum += num % 10; // Add the last digit to sum
7 num /= 10; // Remove the last digit from the number
8 }
9 return sum;
10 }
11 int main() {
12 int number;
13 // Input: the number to find the sum of digits
14 printf("Enter a number: ");
15 scanf("%d", &number);
16 // Handle negative numbers
17 if (number < 0) {
18 number = -number; // Convert to positive if the number is negative
19 }
20 // Compute and print the sum of digits
21 int result = sumOfDigits(number);
22 printf("The sum of digits is: %d\n", result);
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\qn30.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\qn30.exe
- Output Size: 128.6357421875 KiB
- Compilation Time: 0.30s
Line: 8 Col: 3 Sel: 0 Lines: 24 Length: 656 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter a number: 143
The sum of digits is: 8
Process exited after 5.956 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
12:56 23-09-2024


C:\Users\avina\Desktop\Practical\DAA\Qn29.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn29.cpp qn30.cpp Qn31.cpp Qn32.cpp Qn33.cpp Qn34.cpp Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
26 // Input: number of items
27 printf("Enter the number of items: ");
28 scanf("%d", &n);
29 int weights[n], values[n];
30 // Input: weights and values of items
31 printf("Enter the weights of the items:\n");
32 for (int i = 0; i < n; i++) {
33 scanf("%d", &weights[i]);
34 }
35 printf("Enter the values of the items:\n");
36 for (int i = 0; i < n; i++) {
37 scanf("%d", &values[i]);
38 }
39 // Input: maximum weight capacity
40 printf("Enter the maximum weight capacity of the knapsack: ");
41 scanf("%d", &W);
42 // Compute and print the maximum value
43 int result = knapsack(W, weights, values, n);
44 printf("The maximum value that can be carried is: %d\n", result);
45 return 0;
46 }
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn29.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn29.exe
- Output Size: 130.3056640625 KiB
- Compilation Time: 0.31s
Line: 46 Col: 2 Sel: 0 Lines: 46 Length: 1306 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter the number of items: 4
Enter the weights of the items:
2 3 4 5
Enter the values of the items:
3 4 5 6
Enter the maximum weight capacity of the knapsack: 5
The maximum value that can be carried is: 7
Process exited after 23.9 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
12:56 23-09-2024

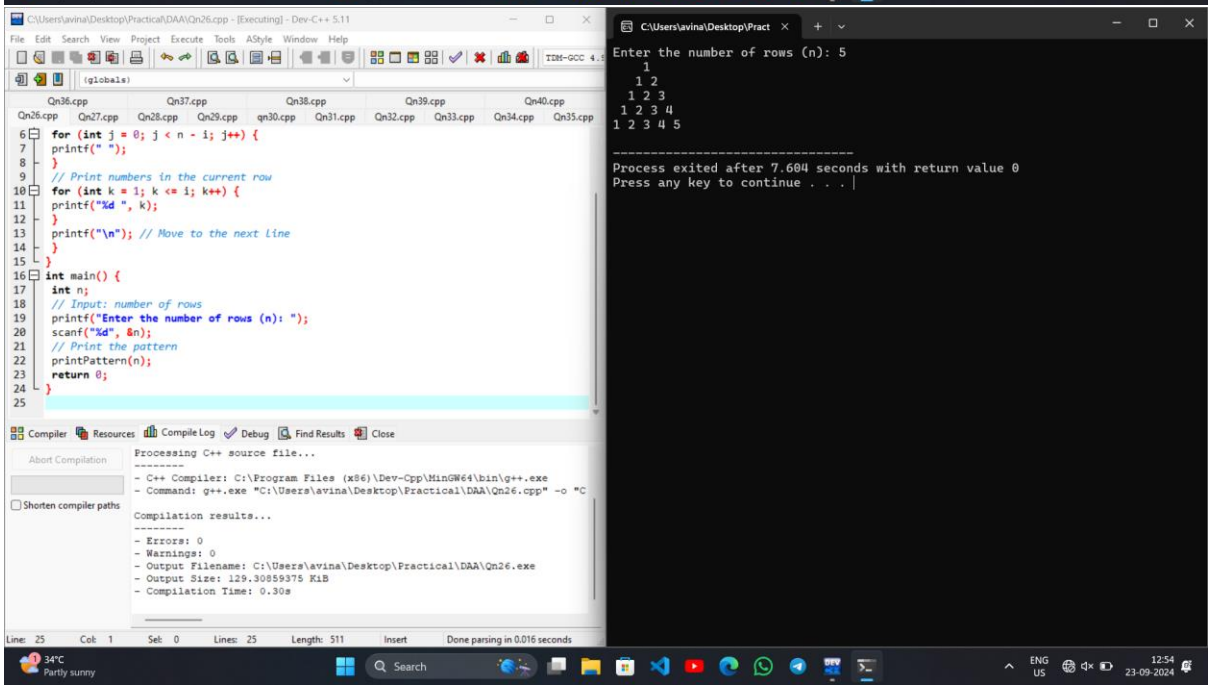

C:\Users\avina\Desktop\Practical\DAA\Qn28.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn28.cpp Qn29.cpp qn30.cpp Qn31.cpp Qn32.cpp Qn33.cpp Qn34.cpp Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp Qn39.cpp Qn40.cpp
1 #include <stdio.h>
2 // Function to generate Pascal's Triangle
3 void printPascalsTriangle(int n) {
4 int triangle[n][n]; // Declare a 2D array to store Pascal's Triangle
5 // Initialize the Pascal's Triangle
6 for (int i = 0; i < n; i++) {
7 for (int j = 0; j <= i; j++) {
8 if (j == 0 || j == i) {
9 triangle[i][j] = 1; // First and last element of each row are 1
10 } else {
11 triangle[i][j] = triangle[i - 1][j - 1] + triangle[i -
12 1][j]; // Sum of two elements above
13 }
14 }
15 }
16 // Print Pascal's Triangle
17 for (int i = 0; i < n; i++) {
18 // Print leading spaces for alignment
19 for (int j = 0; j < n - i - 1; j++) {
20 printf(" ");
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn28.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn28.exe
- Output Size: 129.81640625 KiB
- Compilation Time: 0.30s
Line: 9 Col: 60 Sel: 0 Lines: 38 Length: 1003 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter the number of rows for Pascal's Triangle: 5
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
Process exited after 2.523 seconds with return value 0
Press any key to continue . . .
34°C Partly sunny
Search
ENG US
12:55 23-09-2024



```
// Input: number of vertices
printf("Enter the number of vertices: ");
scanf("%d", &n);
int graph[MAX][MAX];

// Input: adjacency matrix
printf("Enter the adjacency matrix:\n");
for (int i = 0; i < n; i++) {
for (int j = 0; j < n; j++) {
scanf("%d", &graph[i][j]);
if (i != j && graph[i][j] == 0) {
graph[i][j] = INF; // Treat zero as infinity for non diagonal elements
}
}
}
// Perform Floyd-Warshall algorithm
floydWarshall(graph, n);
return 0;
}
```

```
Processing C++ source file...
--------
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn27.cpp" -o "C

Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn27.exe
- Output Size: 131.4853515625 KiB
- Compilation Time: 0.30s
```

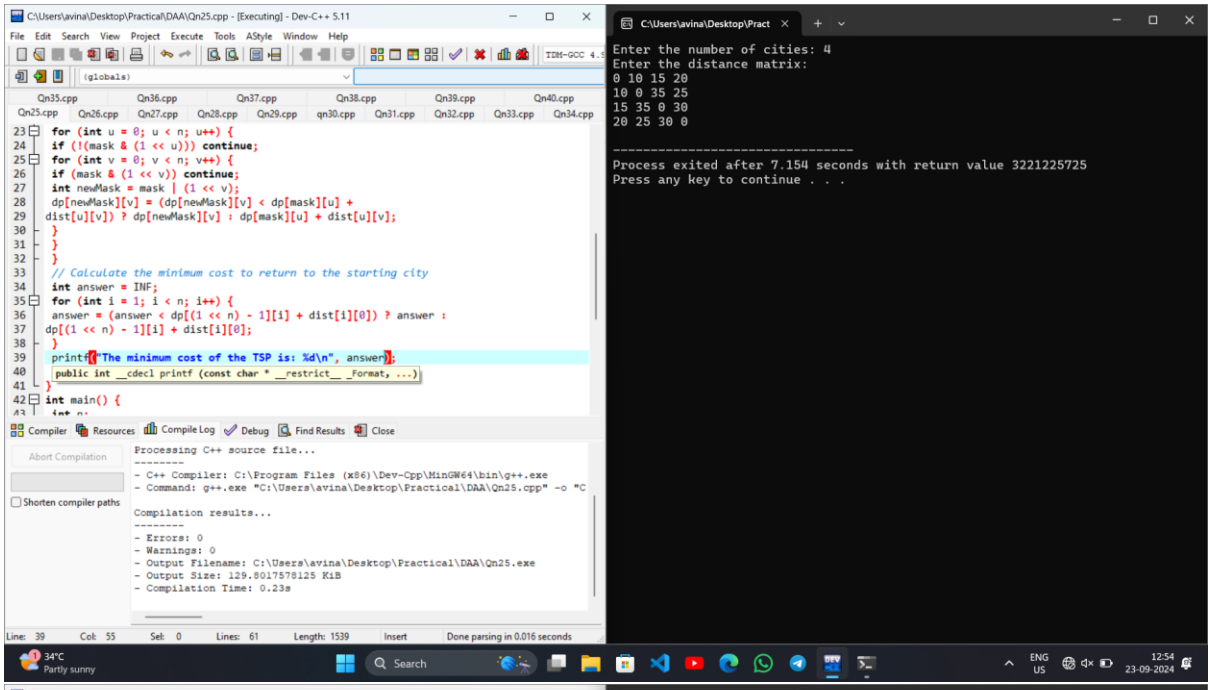
```
Enter the number of vertices: 4
Enter the adjacency matrix:
0 3 0 7
8 0 2 0
5 0 0 1
2 0 0 0
Shortest distances between every pair of vertices:
0       3       5       6
5       0       2       3
3       6       0       1
2       5       7       0

--------------------------------
Process exited after 31.62 seconds with return value 0
Press any key to continue . . .
```

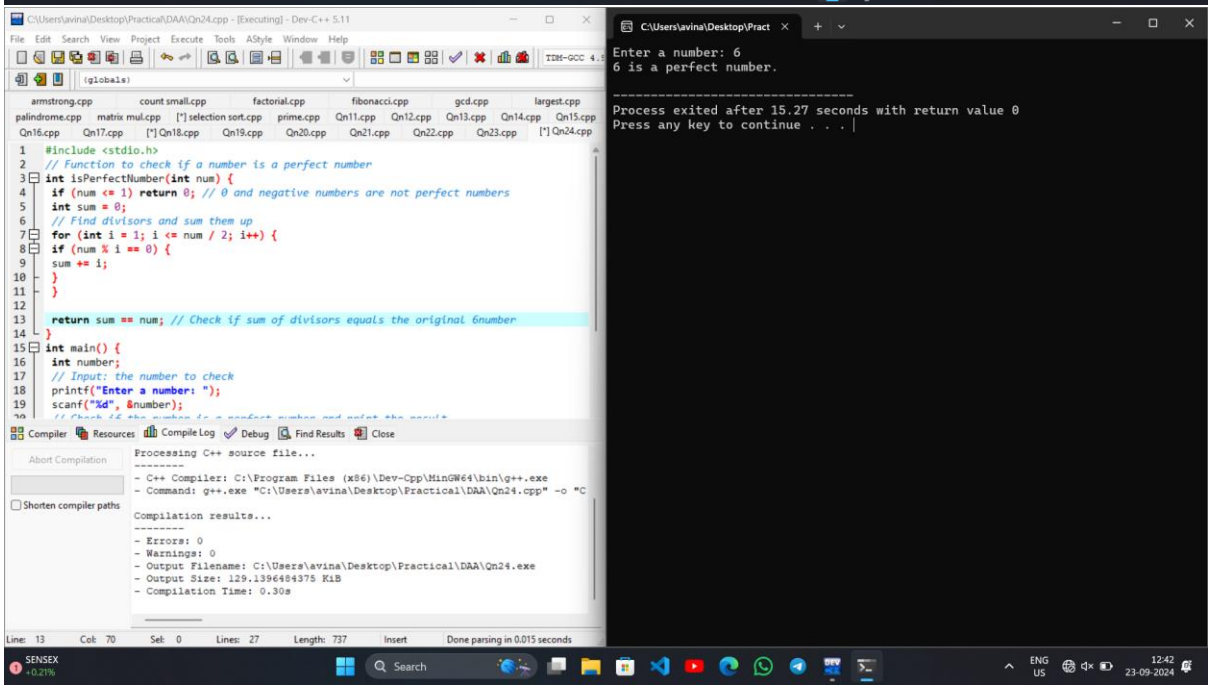


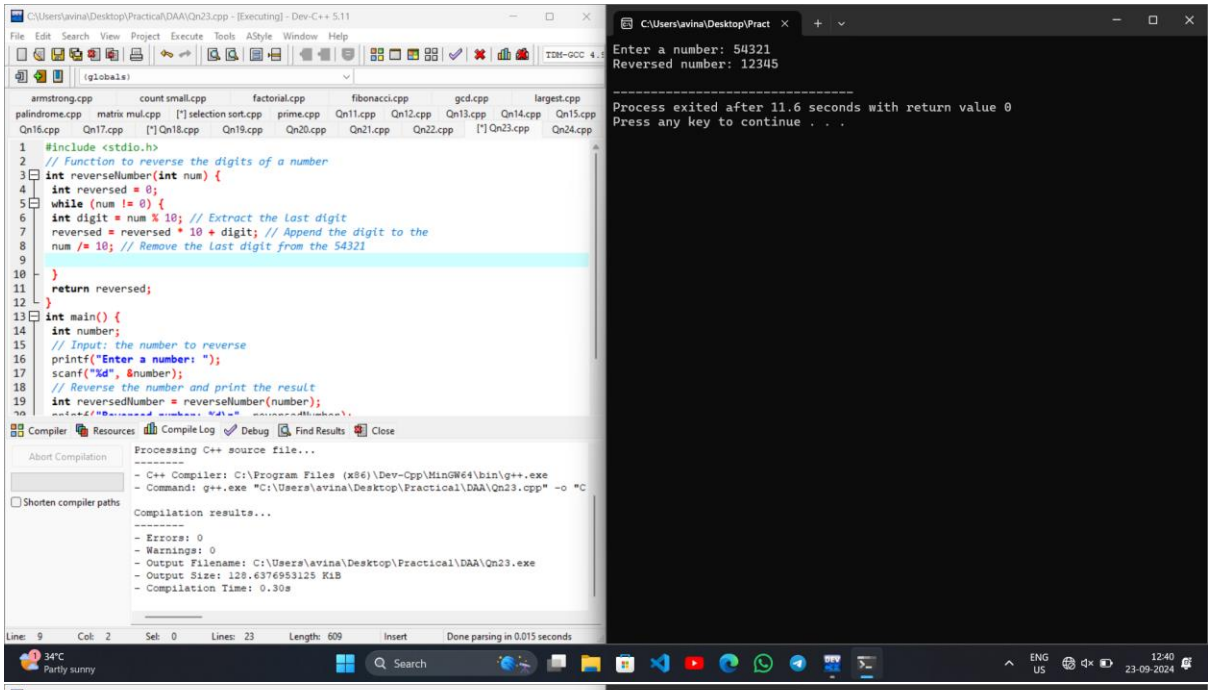
```
for (int j = 0; j < n - i; j++) {
printf(" ");
}
// Print numbers in the current row
for (int k = 1; k <= i; k++) {
printf("%d ", k);
}
printf("\n"); // Move to the next line
}
}
int main() {
int n;
// Input: number of rows
printf("Enter the number of rows (n): ");
scanf("%d", &n);
// Print the pattern
printPattern(n);
return 0;
}
```

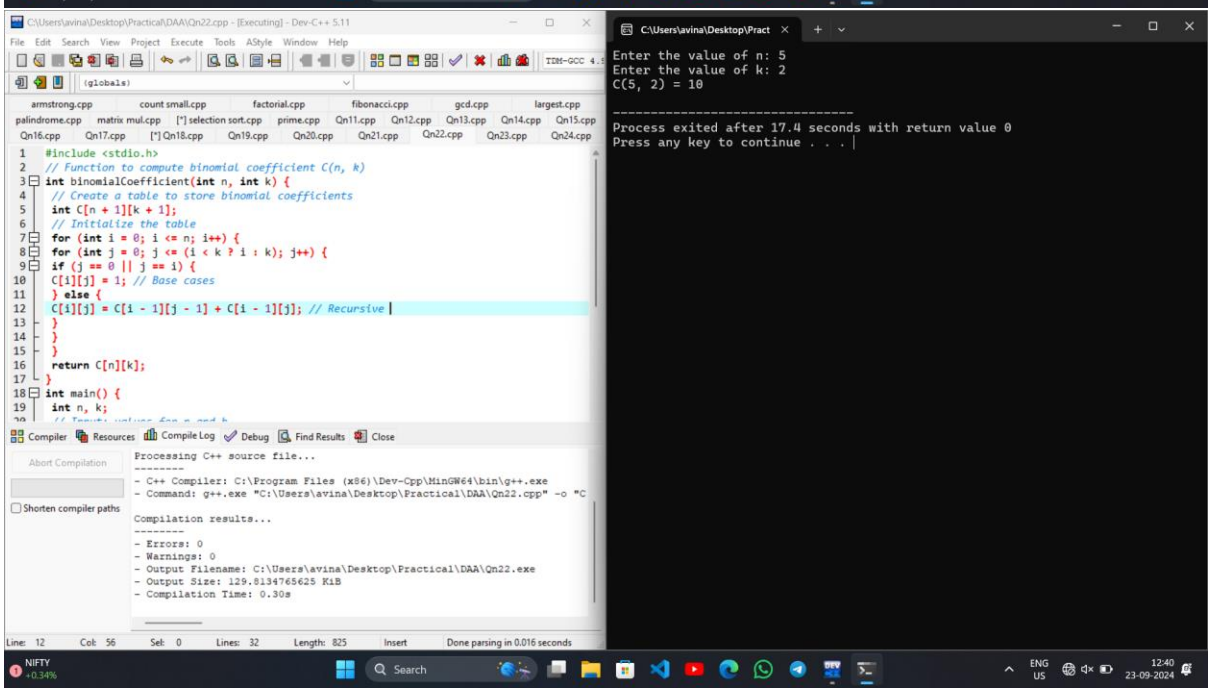
```
Processing C++ source file...
--------
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn26.cpp" -o "C

Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn26.exe
- Output Size: 129.30859375 KiB
- Compilation Time: 0.30s
```

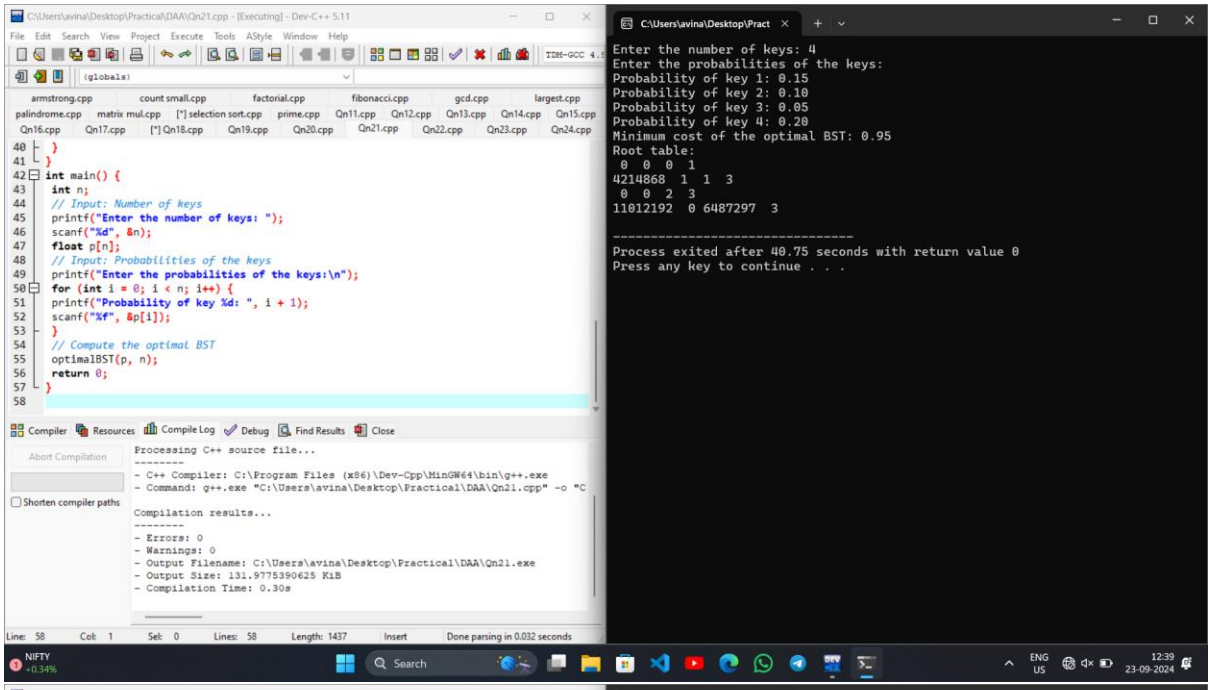
```
Enter the number of rows (n): 5
    1
   1 2
  1 2 3
 1 2 3 4
1 2 3 4 5

--------------------------------
Process exited after 7.604 seconds with return value 0
Press any key to continue . . .
```

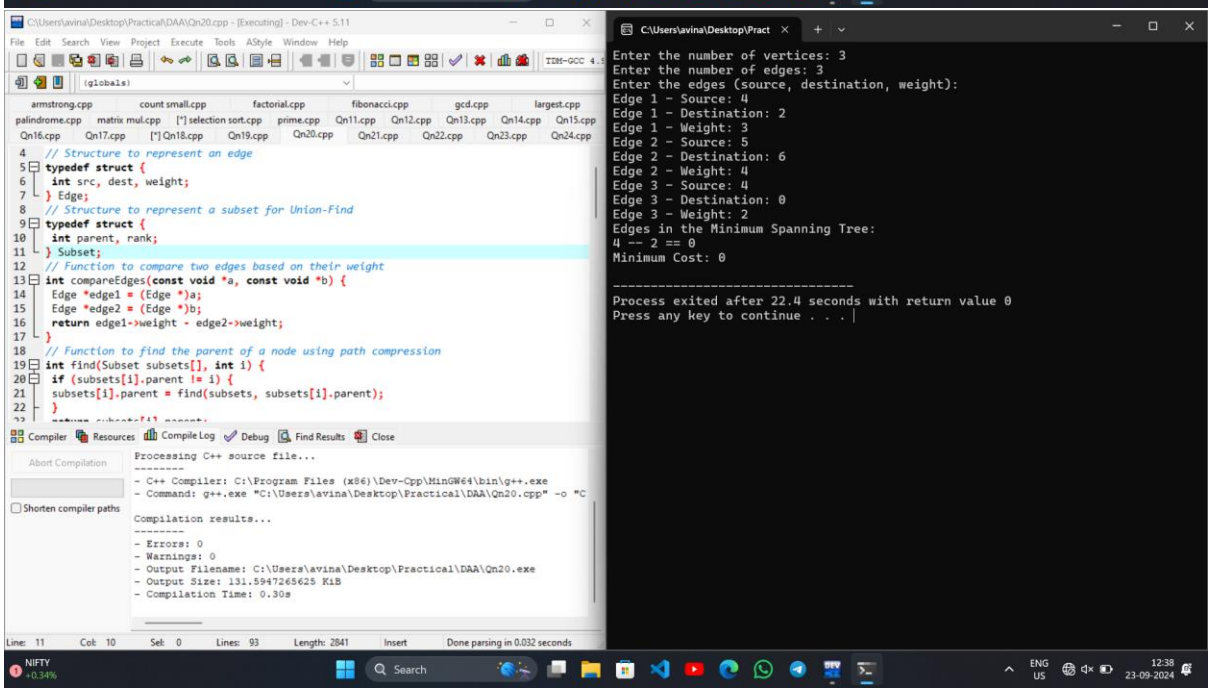

C:\Users\avina\Desktop\Practical\DAA\Qn25.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn25.cpp Qn26.cpp Qn27.cpp Qn28.cpp Qn29.cpp qn30.cpp Qn31.cpp Qn32.cpp Qn33.cpp Qn34.cpp
for (int u = 0; u < n; u++) {
if (!(mask & (1 << u))) continue;
for (int v = 0; v < n; v++) {
if (mask & (1 << v)) continue;
int newMask = mask | (1 << v);
dp[newMask][v] = (dp[newMask][v] < dp[mask][u] +
dist[u][v]) ? dp[newMask][v] : dp[mask][u] + dist[u][v];
}
}
}
// Calculate the minimum cost to return to the starting city
int answer = INF;
for (int i = 1; i < n; i++) {
answer = (answer < dp[(1 << n) - 1][i] + dist[i][0]) ? answer :
dp[(1 << n) - 1][i] + dist[i][0];
}
printf("The minimum cost of the TSP is: %d\n", answer);
public int __cdecl printf (const char * __restrict__ _Format, ...)
}
int main() {
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn25.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn25.exe
- Output Size: 129.8017578125 KiB
- Compilation Time: 0.23s
Line: 39 Col: 55 Sel: 0 Lines: 61 Length: 1539 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter the number of cities: 4
Enter the distance matrix:
0 10 15 20
10 0 35 25
15 35 0 30
20 25 30 0
Process exited after 7.154 seconds with return value 3221225725
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
US
12:54
23-09-2024

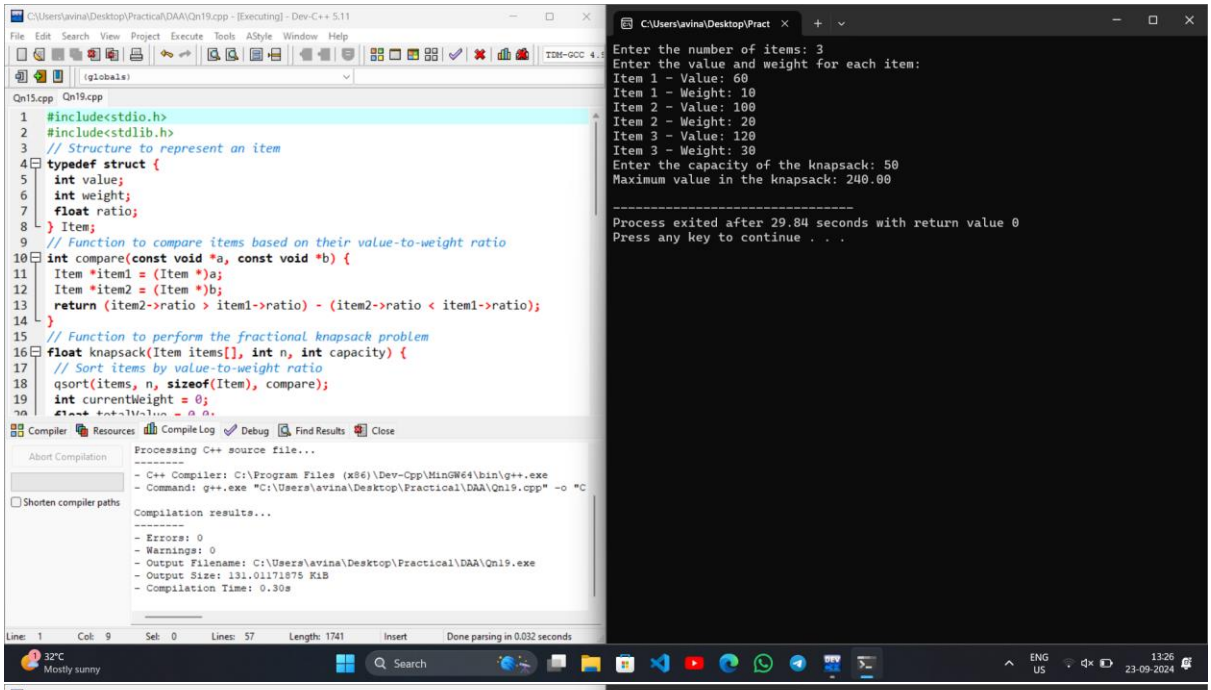

C:\Users\avina\Desktop\Practical\DAA\Qn24.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
Qn16.cpp Qn17.cpp [*] Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp [*] Qn24.cpp
#include <stdio.h>
// Function to check if a number is a perfect number
int isPerfectNumber(int num) {
if (num <= 1) return 0; // 0 and negative numbers are not perfect numbers
int sum = 0;
// Find divisors and sum them up
for (int i = 1; i <= num / 2; i++) {
if (num % i == 0) {
sum += i;
}
}
return sum == num; // Check if sum of divisors equals the original 6number
}
int main() {
int number;
// Input: the number to check
printf("Enter a number: ");
scanf("%d", &number);
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn24.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn24.exe
- Output Size: 129.1396484375 KiB
- Compilation Time: 0.30s
Line: 13 Col: 70 Sel: 0 Lines: 27 Length: 737 Insert Done parsing in 0.015 seconds
C:\Users\avina\Desktop\Pract
Enter a number: 6
6 is a perfect number.
Process exited after 15.27 seconds with return value 0
Press any key to continue . . .
SENSEX
+0.21%
Search
ENG
US
12:42
23-09-2024

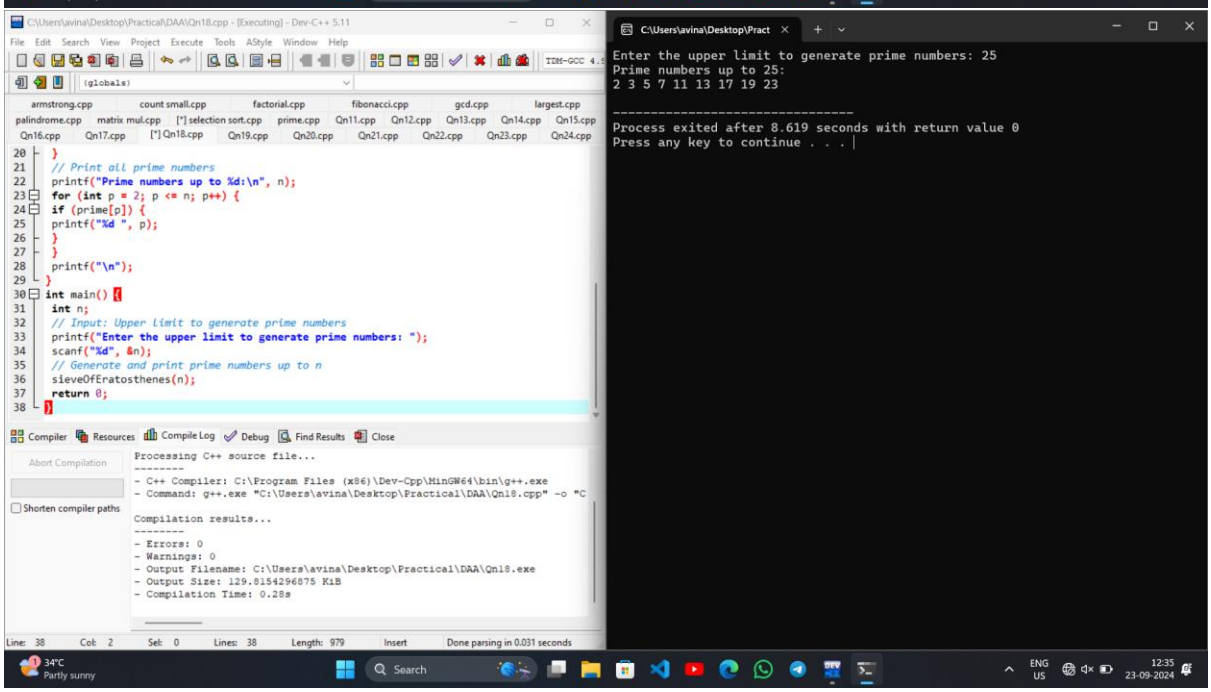

C:\Users\avina\Desktop\Practical\DAA\Qn23.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
Qn16.cpp Qn17.cpp [*] Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp [*] Qn23.cpp Qn24.cpp
#include <stdio.h>
// Function to reverse the digits of a number
int reverseNumber(int num) {
int reversed = 0;
while (num != 0) {
int digit = num % 10; // Extract the last digit
reversed = reversed * 10 + digit; // Append the digit to the
num /= 10; // Remove the last digit from the 54321
}
return reversed;
}
int main() {
int number;
// Input: the number to reverse
printf("Enter a number: ");
scanf("%d", &number);
// Reverse the number and print the result
int reversedNumber = reverseNumber(number);
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn23.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn23.exe
- Output Size: 128.6376953125 KiB
- Compilation Time: 0.30s
Line: 9 Col: 2 Sel: 0 Lines: 23 Length: 609 Insert Done parsing in 0.015 seconds
C:\Users\avina\Desktop\Pract
Enter a number: 54321
Reversed number: 12345
Process exited after 11.6 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
US
12:40
23-09-2024

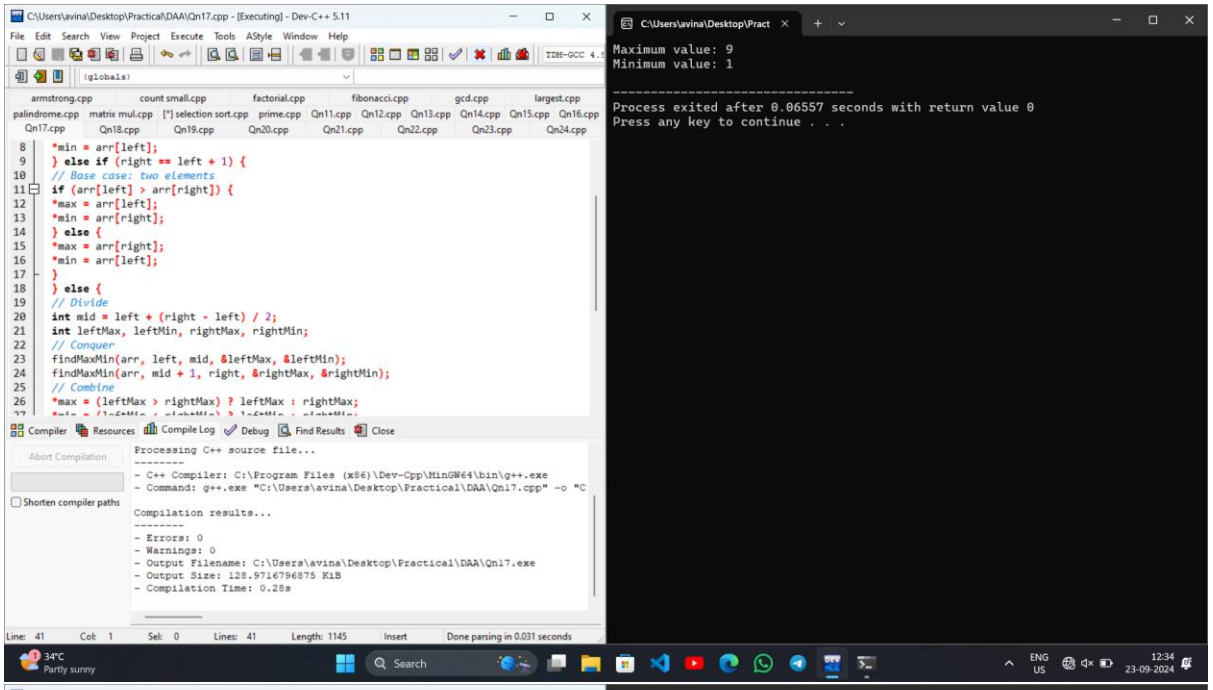

C:\Users\avina\Desktop\Practical\DAA\Qn22.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
Qn16.cpp Qn17.cpp [*] Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
#include <stdio.h>
// Function to compute binomial coefficient C(n, k)
int binomialCoefficient(int n, int k) {
// Create a table to store binomial coefficients
int C[n + 1][k + 1];
// Initialize the table
for (int i = 0; i <= n; i++) {
for (int j = 0; j <= (i < k ? i : k); j++) {
if (j == 0 || j == i) {
C[i][j] = 1; // Base cases
} else {
C[i][j] = C[i - 1][j - 1] + C[i - 1][j]; // Recursive
}
}
}
return C[n][k];
}
int main() {
int n, k;
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn22.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn22.exe
- Output Size: 129.8134765625 KiB
- Compilation Time: 0.30s
Line: 12 Col: 56 Sel: 0 Lines: 32 Length: 825 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter the value of n: 5
Enter the value of k: 2
C(5, 2) = 10
Process exited after 17.4 seconds with return value 0
Press any key to continue . . .
NIFTY
+0.34%
Search
ENG
US
12:40
23-09-2024

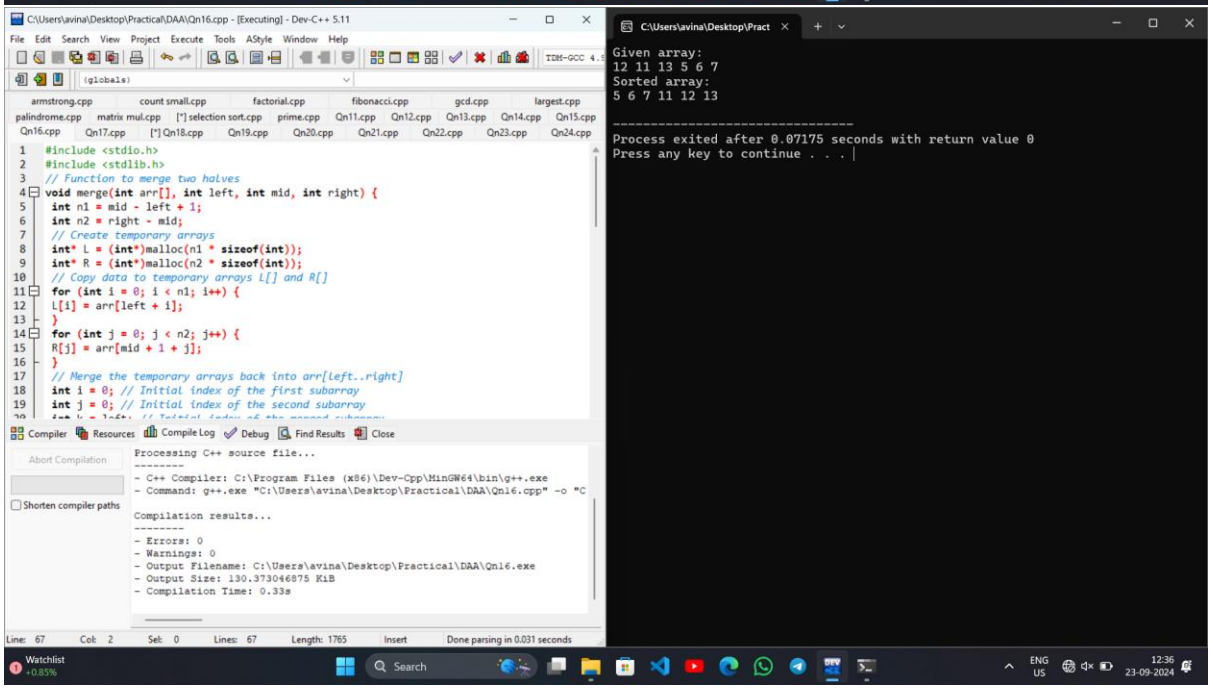

C:\Users\avina\Desktop\Practical\DAA\Qn21.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
Qn16.cpp Qn17.cpp [*] Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
40 }
41 }
42 int main() {
43 int n;
44 // Input: Number of keys
45 printf("Enter the number of keys: ");
46 scanf("%d", &n);
47 float p[n];
48 // Input: Probabilities of the keys
49 printf("Enter the probabilities of the keys:\n");
50 for (int i = 0; i < n; i++) {
51 printf("Probability of key %d: ", i + 1);
52 scanf("%f", &p[i]);
53 }
54 // Compute the optimal BST
55 optimalBST(p, n);
56 return 0;
57 }
58
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn21.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn21.exe
- Output Size: 131.9775390625 KiB
- Compilation Time: 0.30s
Line: 58 Col: 1 Sel: 0 Lines: 58 Length: 1437 Insert Done parsing in 0.032 seconds
C:\Users\avina\Desktop\Pract
Enter the number of keys: 4
Enter the probabilities of the keys:
Probability of key 1: 0.15
Probability of key 2: 0.10
Probability of key 3: 0.05
Probability of key 4: 0.20
Minimum cost of the optimal BST: 0.95
Root table:
0 0 0 1
4214868 1 1 3
0 0 2 3
11012192 0 6487297 3
Process exited after 40.75 seconds with return value 0
Press any key to continue . . .
NIFTY +0.34%
Search
ENG US
12:39 23-09-2024

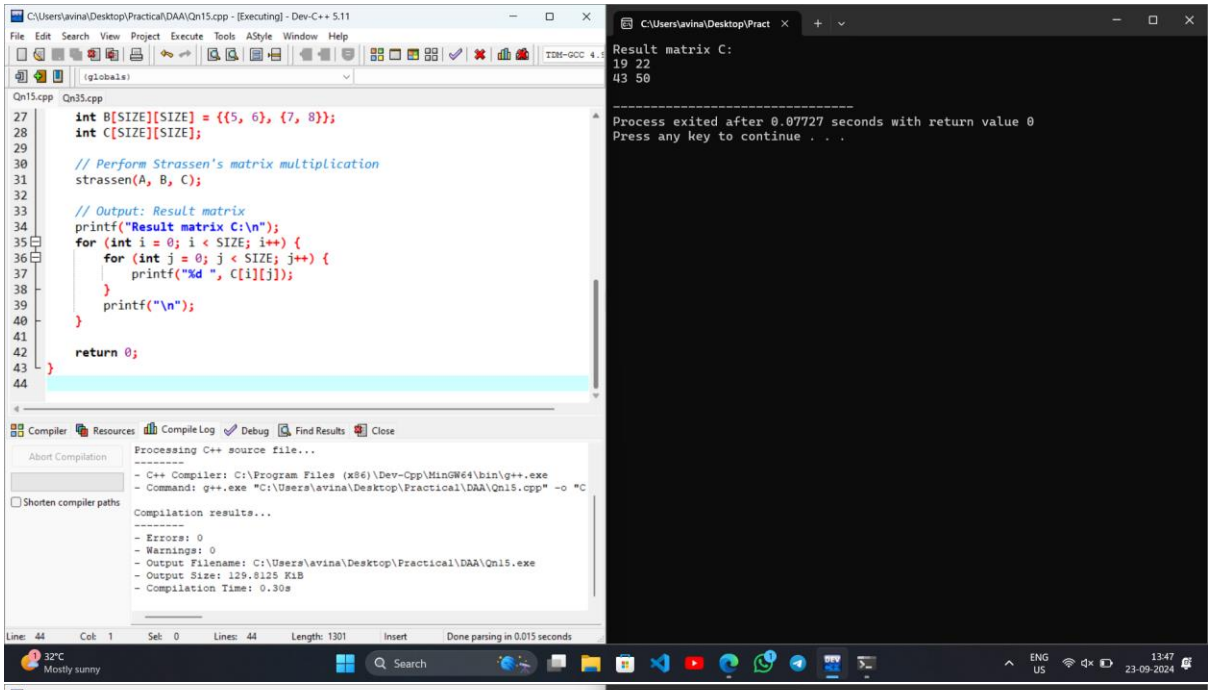

C:\Users\avina\Desktop\Practical\DAA\Qn20.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
Qn16.cpp Qn17.cpp [*] Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
4 // Structure to represent an edge
5 typedef struct {
6 int src, dest, weight;
7 } Edge;
8 // Structure to represent a subset for Union-Find
9 typedef struct {
10 int parent, rank;
11 } Subset;
12 // Function to compare two edges based on their weight
13 int compareEdges(const void *a, const void *b) {
14 Edge *edge1 = (Edge *)a;
15 Edge *edge2 = (Edge *)b;
16 return edge1->weight - edge2->weight;
17 }
18 // Function to find the parent of a node using path compression
19 int find(Subset subsets[], int i) {
20 if (subsets[i].parent != i) {
21 subsets[i].parent = find(subsets, subsets[i].parent);
22 }
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn20.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn20.exe
- Output Size: 131.5947265625 KiB
- Compilation Time: 0.30s
Line: 11 Col: 10 Sel: 0 Lines: 93 Length: 2841 Insert Done parsing in 0.032 seconds
C:\Users\avina\Desktop\Pract
Enter the number of vertices: 3
Enter the number of edges: 3
Enter the edges (source, destination, weight):
Edge 1 - Source: 4
Edge 1 - Destination: 2
Edge 1 - Weight: 3
Edge 2 - Source: 5
Edge 2 - Destination: 6
Edge 2 - Weight: 4
Edge 3 - Source: 4
Edge 3 - Destination: 0
Edge 3 - Weight: 2
Edges in the Minimum Spanning Tree:
4 -- 2 == 0
Minimum Cost: 0
Process exited after 22.4 seconds with return value 0
Press any key to continue . . .
NIFTY +0.34%
Search
ENG US
12:38 23-09-2024

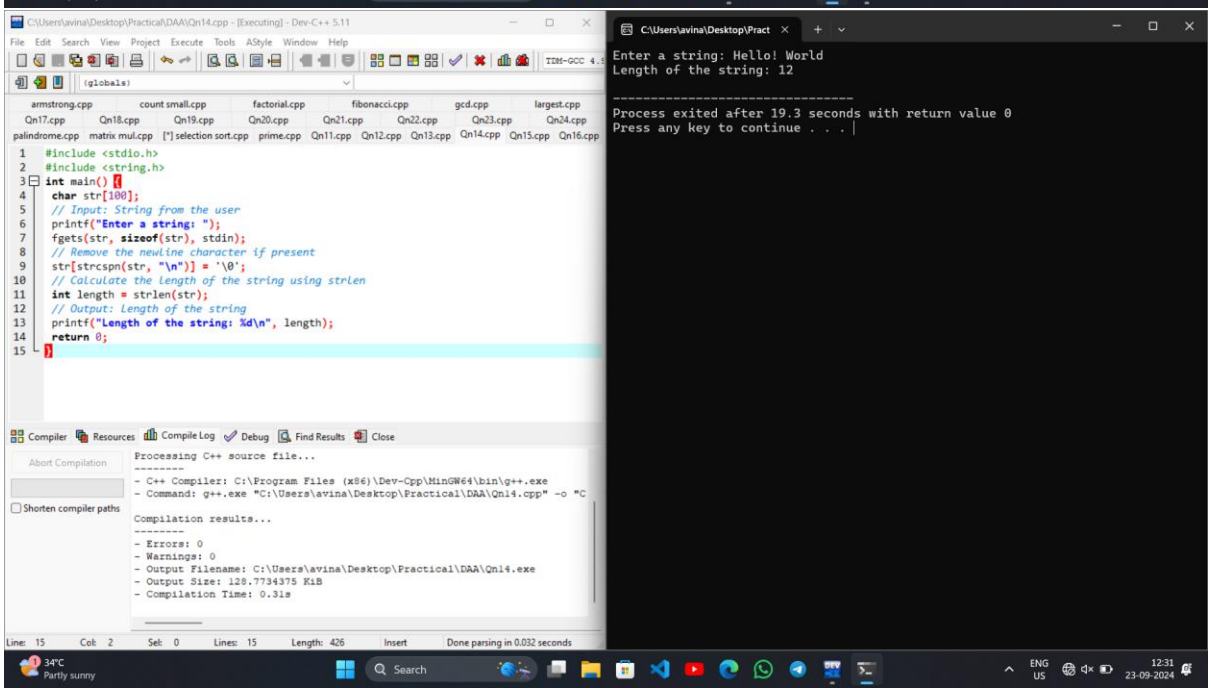

C:\Users\avina\Desktop\Practical\DAA\Qn19.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn15.cpp Qn19.cpp
#include<stdio.h>
#include<stdlib.h>
// Structure to represent an item
typedef struct {
int value;
int weight;
float ratio;
} Item;
// Function to compare items based on their value-to-weight ratio
int compare(const void *a, const void *b) {
Item *item1 = (Item *)a;
Item *item2 = (Item *)b;
return (item2->ratio > item1->ratio) - (item2->ratio < item1->ratio);
}
// Function to perform the fractional knapsack problem
float knapsack(Item items[], int n, int capacity) {
// Sort items by value-to-weight ratio
qsort(items, n, sizeof(Item), compare);
int currentWeight = 0;
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn19.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn19.exe
- Output Size: 131.01171875 KiB
- Compilation Time: 0.30s
Line: 1 Col: 9 Sel: 0 Lines: 57 Length: 1741 Insert Done parsing in 0.032 seconds
C:\Users\avina\Desktop\Pract
Enter the number of items: 3
Enter the value and weight for each item:
Item 1 - Value: 60
Item 1 - Weight: 10
Item 2 - Value: 100
Item 2 - Weight: 20
Item 3 - Value: 120
Item 3 - Weight: 30
Enter the capacity of the knapsack: 50
Maximum value in the knapsack: 240.00
Process exited after 29.84 seconds with return value 0
Press any key to continue . . .
32°C
Mostly sunny
Search
ENG
US
13:26
23-09-2024

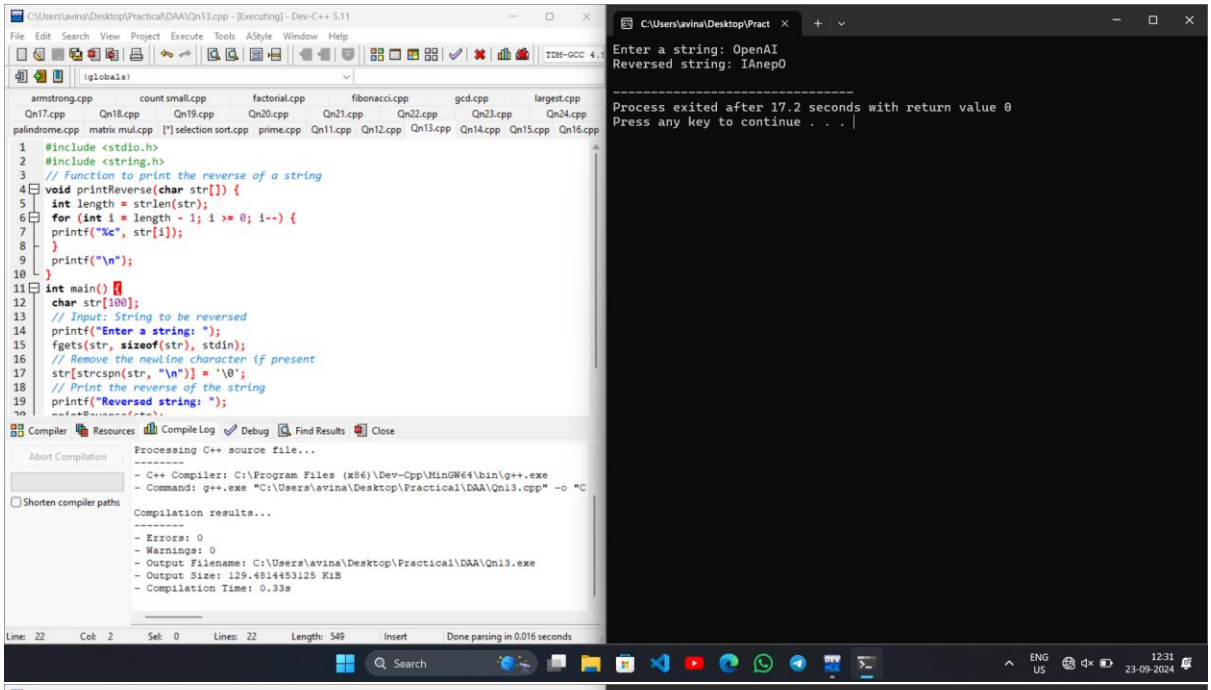

C:\Users\avina\Desktop\Practical\DAA\Qn18.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
Qn16.cpp Qn17.cpp [*] Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
}
// Print all prime numbers
printf("Prime numbers up to %d:\n", n);
for (int p = 2; p <= n; p++) {
if (prime[p]) {
printf("%d ", p);
}
}
printf("\n");
}
int main() {
int n;
// Input: Upper limit to generate prime numbers
printf("Enter the upper limit to generate prime numbers: ");
scanf("%d", &n);
// Generate and print prime numbers up to n
sieveOfEratosthenes(n);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn18.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn18.exe
- Output Size: 129.8154296875 KiB
- Compilation Time: 0.28s
Line: 38 Col: 2 Sel: 0 Lines: 38 Length: 979 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter the upper limit to generate prime numbers: 25
Prime numbers up to 25:
2 3 5 7 11 13 17 19 23
Process exited after 8.619 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
US
12:35
23-09-2024

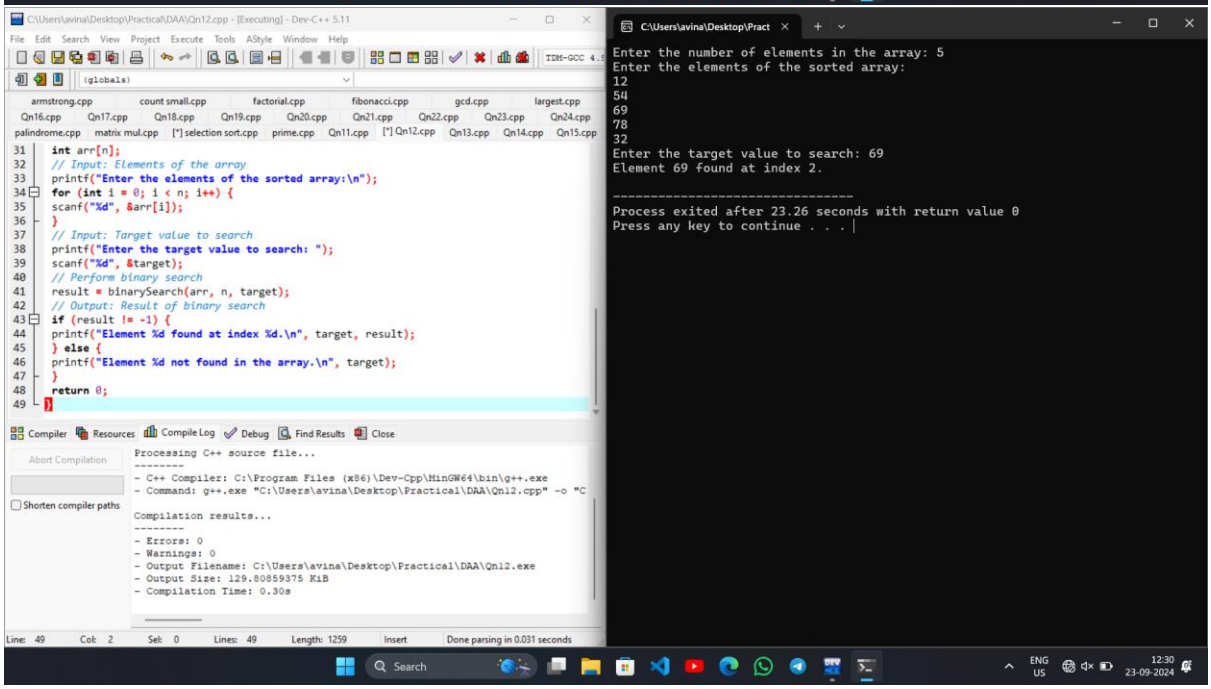

C:\Users\avina\Desktop\Practical\DAA\Qn17.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
*min = arr[left];
} else if (right == left + 1) {
// Base case: two elements
if (arr[left] > arr[right]) {
*max = arr[left];
*min = arr[right];
} else {
*max = arr[right];
*min = arr[left];
}
} else {
// Divide
int mid = left + (right - left) / 2;
int leftMax, leftMin, rightMax, rightMin;
// Conquer
findMaxMin(arr, left, mid, &leftMax, &leftMin);
findMaxMin(arr, mid + 1, right, &rightMax, &rightMin);
// Combine
*max = (leftMax > rightMax) ? leftMax : rightMax;
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn17.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn17.exe
- Output Size: 128.9716796875 KiB
- Compilation Time: 0.28s
Line: 41 Col: 1 Sel: 0 Lines: 41 Length: 1145 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Maximum value: 9
Minimum value: 1
Process exited after 0.06557 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
US
12:34
23-09-2024

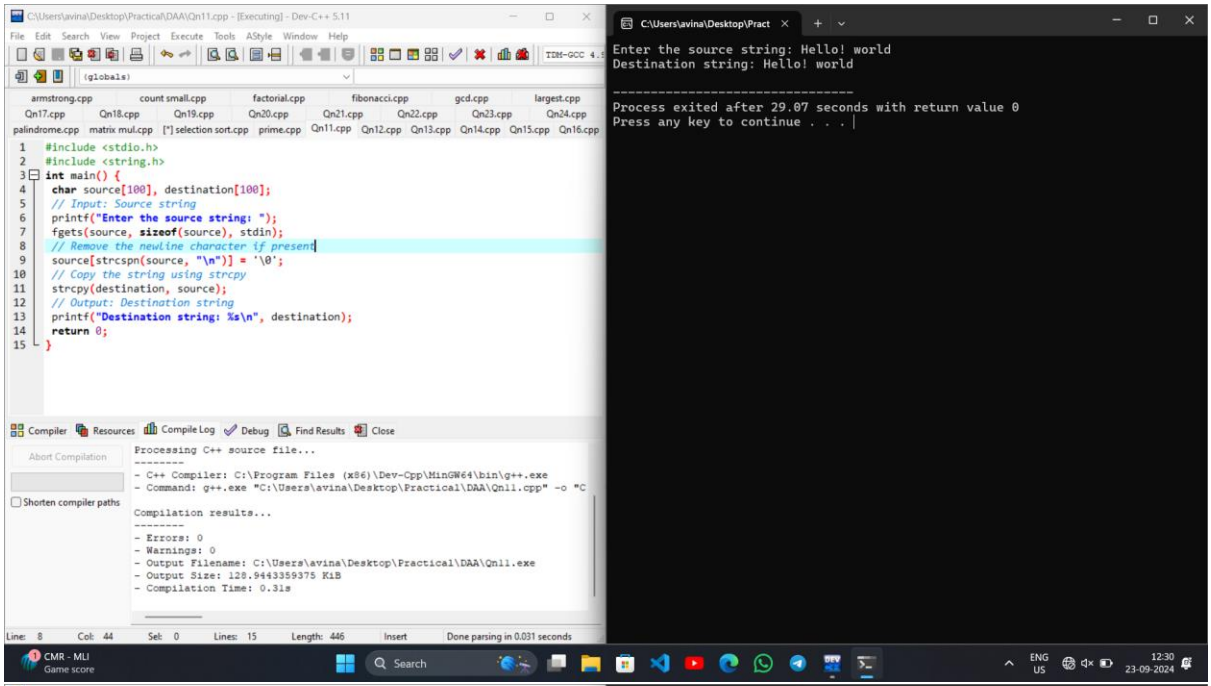

C:\Users\avina\Desktop\Practical\DAA\Qn16.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
Qn16.cpp Qn17.cpp [*] Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
#include <stdio.h>
#include <stdlib.h>
// Function to merge two halves
void merge(int arr[], int left, int mid, int right) {
int n1 = mid - left + 1;
int n2 = right - mid;
// Create temporary arrays
int* L = (int*)malloc(n1 * sizeof(int));
int* R = (int*)malloc(n2 * sizeof(int));
// Copy data to temporary arrays L[] and R[]
for (int i = 0; i < n1; i++) {
L[i] = arr[left + i];
}
for (int j = 0; j < n2; j++) {
R[j] = arr[mid + 1 + j];
}
// Merge the temporary arrays back into arr[left..right]
int i = 0; // Initial index of the first subarray
int j = 0; // Initial index of the second subarray
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn16.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn16.exe
- Output Size: 130.373046875 KiB
- Compilation Time: 0.33s
Line: 67 Col: 2 Sel: 0 Lines: 67 Length: 1765 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Given array:
12 11 13 5 6 7
Sorted array:
5 6 7 11 12 13
Process exited after 0.07175 seconds with return value 0
Press any key to continue . . .
Watchlist
-0.85%
Search
ENG
US
12:36
23-09-2024

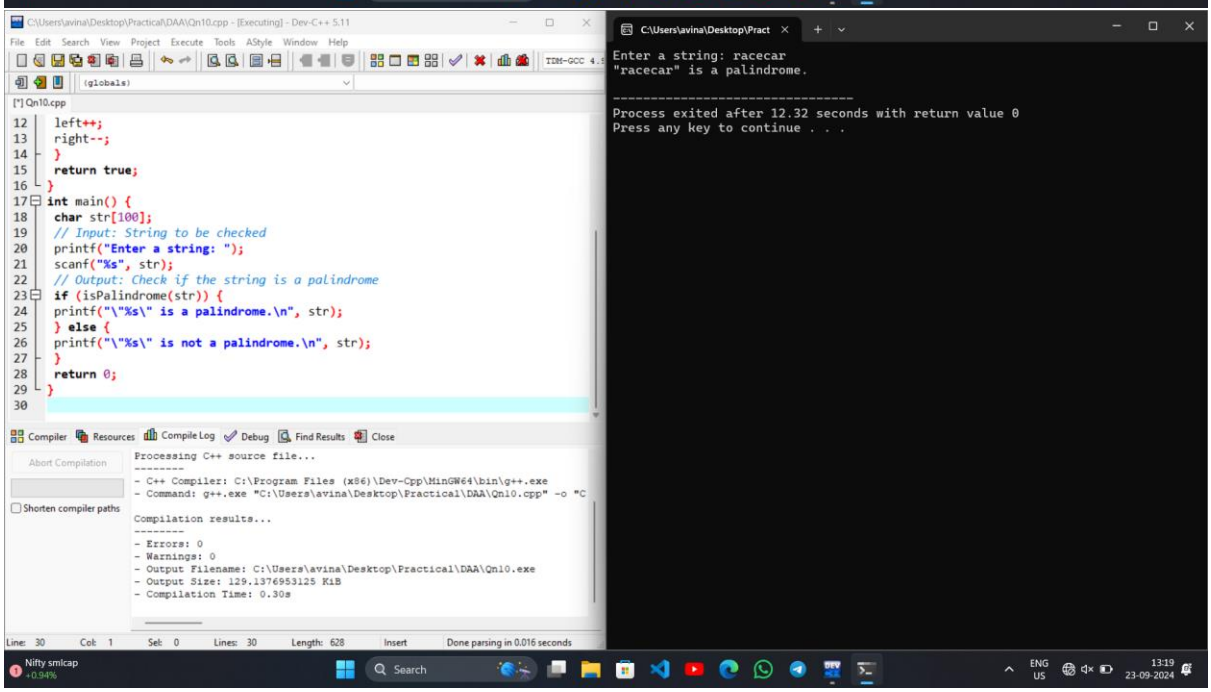

C:\Users\avina\Desktop\Practical\DAA\Qn15.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn15.cpp Qn35.cpp
int B[SIZE][SIZE] = {{5, 6}, {7, 8}};
int C[SIZE][SIZE];
// Perform Strassen's matrix multiplication
strassen(A, B, C);
// Output: Result matrix
printf("Result matrix C:\n");
for (int i = 0; i < SIZE; i++) {
for (int j = 0; j < SIZE; j++) {
printf("%d ", C[i][j]);
}
printf("\n");
}
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn15.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn15.exe
- Output Size: 129.8125 KiB
- Compilation Time: 0.30s
Line: 44 Col: 1 Sel: 0 Lines: 44 Length: 1301 Insert Done parsing in 0.015 seconds
C:\Users\avina\Desktop\Pract
Result matrix C:
19 22
43 50
Process exited after 0.07727 seconds with return value 0
Press any key to continue . . .
32°C
Mostly sunny
Search
ENG
US
13:47
23-09-2024

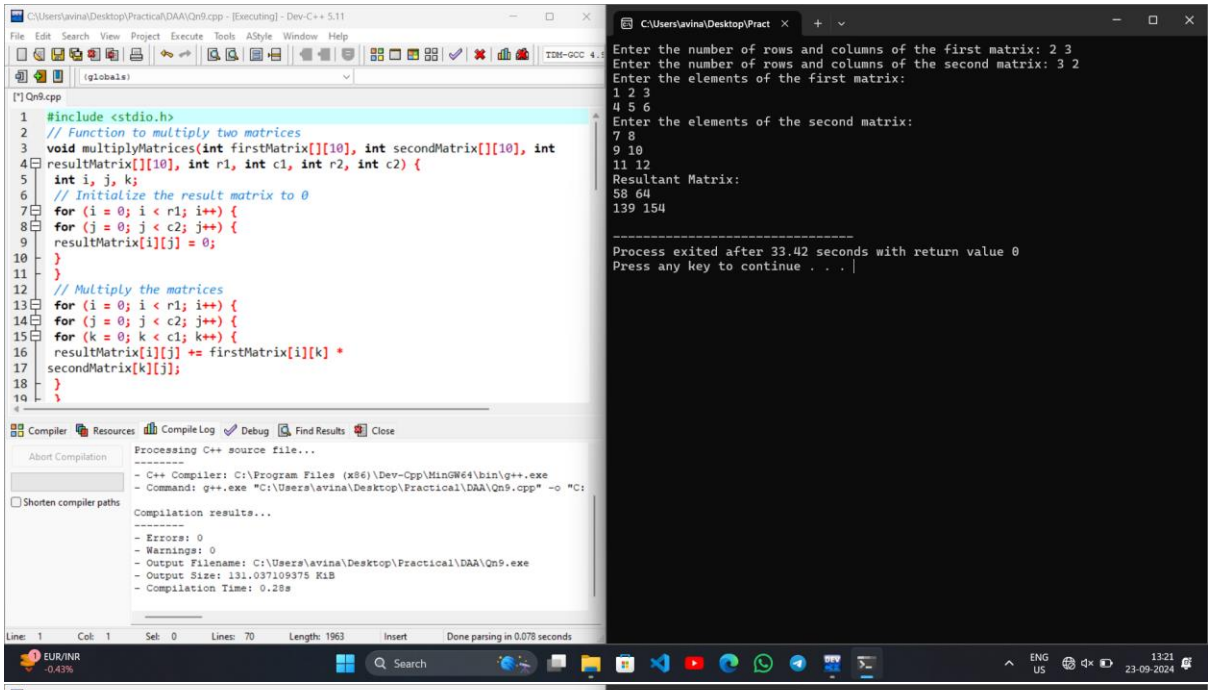

C:\Users\avina\Desktop\Practical\DAA\Qn14.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
#include <stdio.h>
#include <string.h>
int main() {
char str[100];
// Input: String from the user
printf("Enter a string: ");
fgets(str, sizeof(str), stdin);
// Remove the newline character if present
str[strcspn(str, "\n")] = '\0';
// Calculate the length of the string using strlen
int length = strlen(str);
// Output: Length of the string
printf("Length of the string: %d\n", length);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn14.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn14.exe
- Output Size: 128.7734375 KiB
- Compilation Time: 0.31s
Line: 15 Col: 2 Sel: 0 Lines: 15 Length: 426 Insert Done parsing in 0.032 seconds
C:\Users\avina\Desktop\Pract
Enter a string: Hello! World
Length of the string: 12
Process exited after 19.3 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
US
12:31
23-09-2024

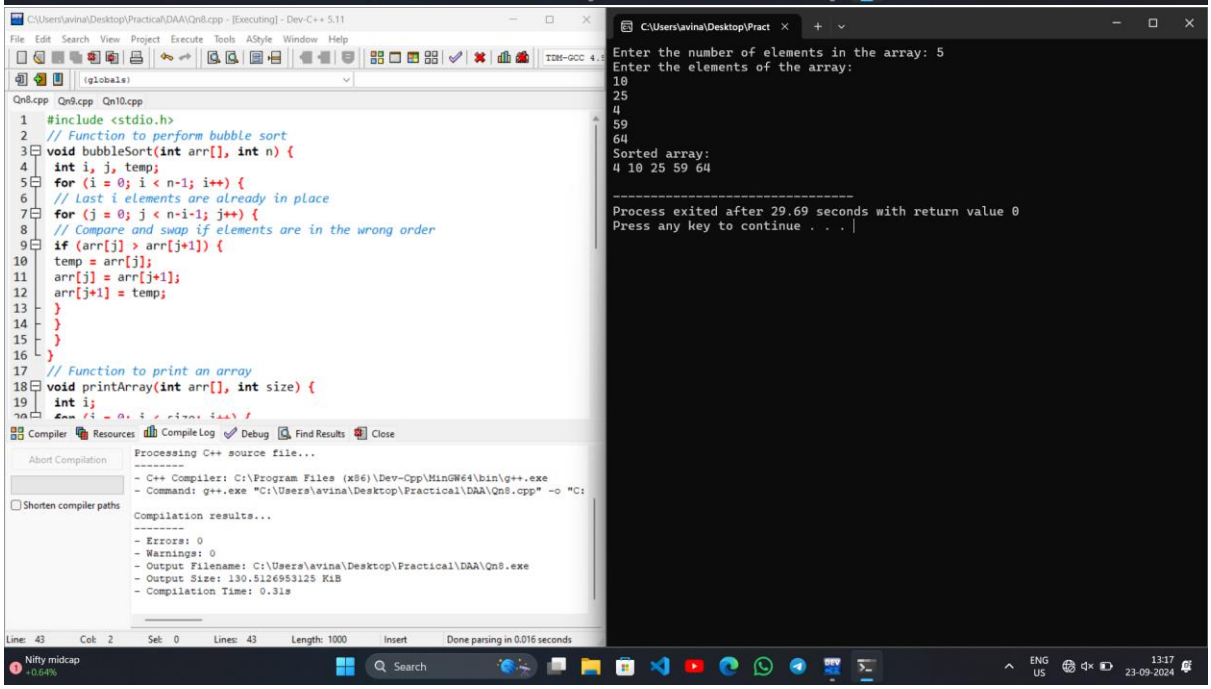

C:\Users\avina\Desktop\Practical\DAA\Qn13.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
#include <stdio.h>
#include <string.h>
// Function to print the reverse of a string
void printReverse(char str[]) {
int length = strlen(str);
for (int i = length - 1; i >= 0; i--) {
printf("%c", str[i]);
}
printf("\n");
}
int main() {
char str[100];
// Input: String to be reversed
printf("Enter a string: ");
fgets(str, sizeof(str), stdin);
// Remove the newline character if present
str[strcspn(str, "\n")] = '\0';
// Print the reverse of the string
printf("Reversed string: ");
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn13.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn13.exe
- Output Size: 129.4814453125 KiB
- Compilation Time: 0.33s
Line: 22 Col: 2 Sel: 0 Lines: 22 Length: 549 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter a string: OpenAI
Reversed string: IAnepO
Process exited after 17.2 seconds with return value 0
Press any key to continue . . .
Search
ENG US
12:31 23-09-2024

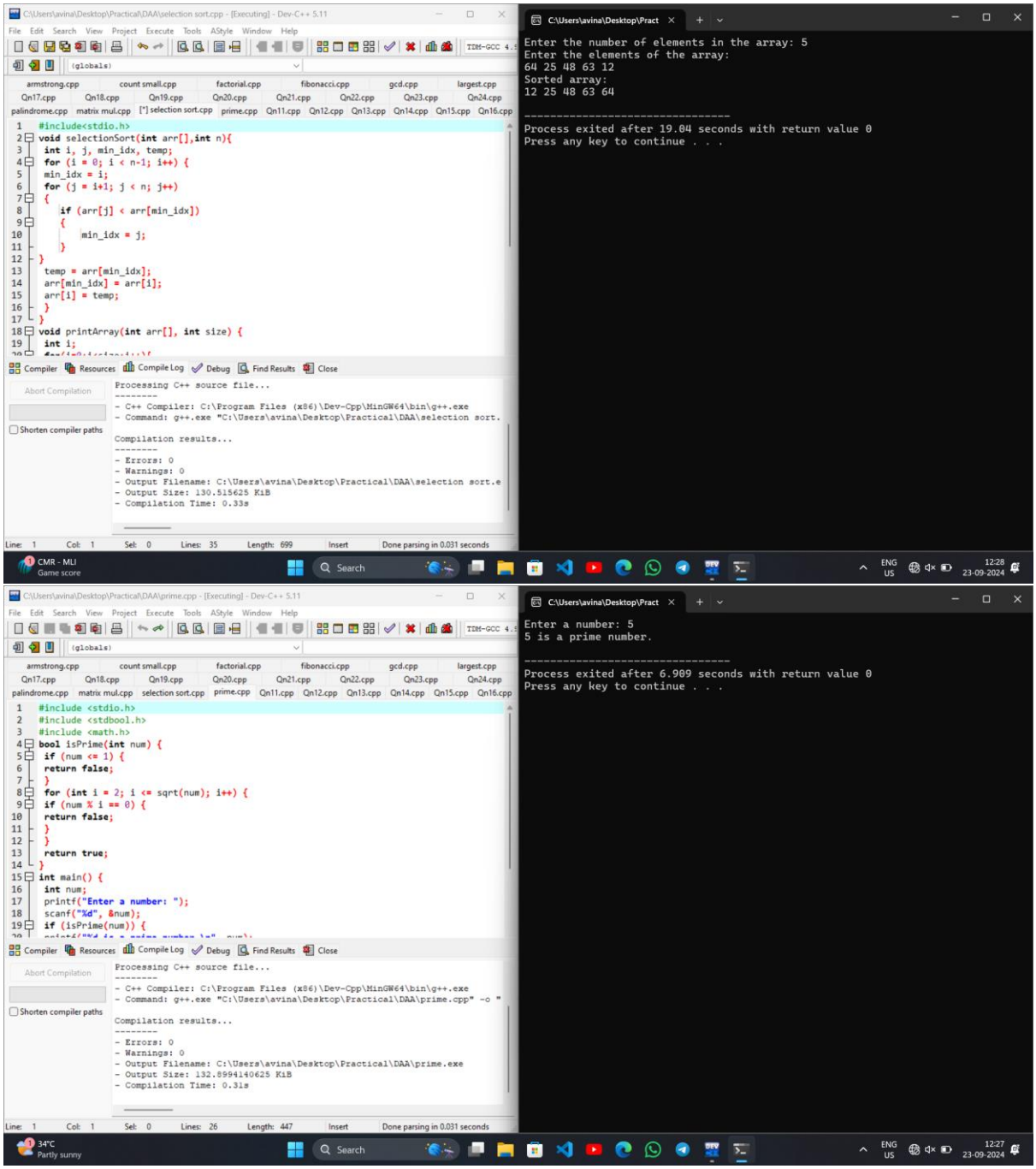

C:\Users\avina\Desktop\Practical\DAA\Qn12.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
Qn16.cpp Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp [*] Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp
int arr[n];
// Input: Elements of the array
printf("Enter the elements of the sorted array:\n");
for (int i = 0; i < n; i++) {
scanf("%d", &arr[i]);
}
// Input: Target value to search
printf("Enter the target value to search: ");
scanf("%d", &target);
// Perform binary search
result = binarySearch(arr, n, target);
// Output: Result of binary search
if (result != -1) {
printf("Element %d found at index %d.\n", target, result);
} else {
printf("Element %d not found in the array.\n", target);
}
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn12.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn12.exe
- Output Size: 129.80859375 KiB
- Compilation Time: 0.30s
Line: 49 Col: 2 Sel: 0 Lines: 49 Length: 1259 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter the number of elements in the array: 5
Enter the elements of the sorted array:
12
54
69
78
32
Enter the target value to search: 69
Element 69 found at index 2.
Process exited after 23.26 seconds with return value 0
Press any key to continue . . .
Search
ENG US
12:30 23-09-2024


C:\Users\avina\Desktop\Practical\DAA\Qn11.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
#include <stdio.h>
#include <string.h>
int main() {
char source[100], destination[100];
// Input: Source string
printf("Enter the source string: ");
fgets(source, sizeof(source), stdin);
// Remove the newline character if present
source[strcspn(source, "\n")] = '\0';
// Copy the string using strcpy
strcpy(destination, source);
// Output: Destination string
printf("Destination string: %s\n", destination);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn11.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn11.exe
- Output Size: 128.9443359375 KiB
- Compilation Time: 0.31s
Line: 8 Col: 44 Sel: 0 Lines: 15 Length: 446 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter the source string: Hello! world
Destination string: Hello! world
Process exited after 29.07 seconds with return value 0
Press any key to continue . . .
CMR - MLI
Game score
Search
ENG
US
12:30
23-09-2024

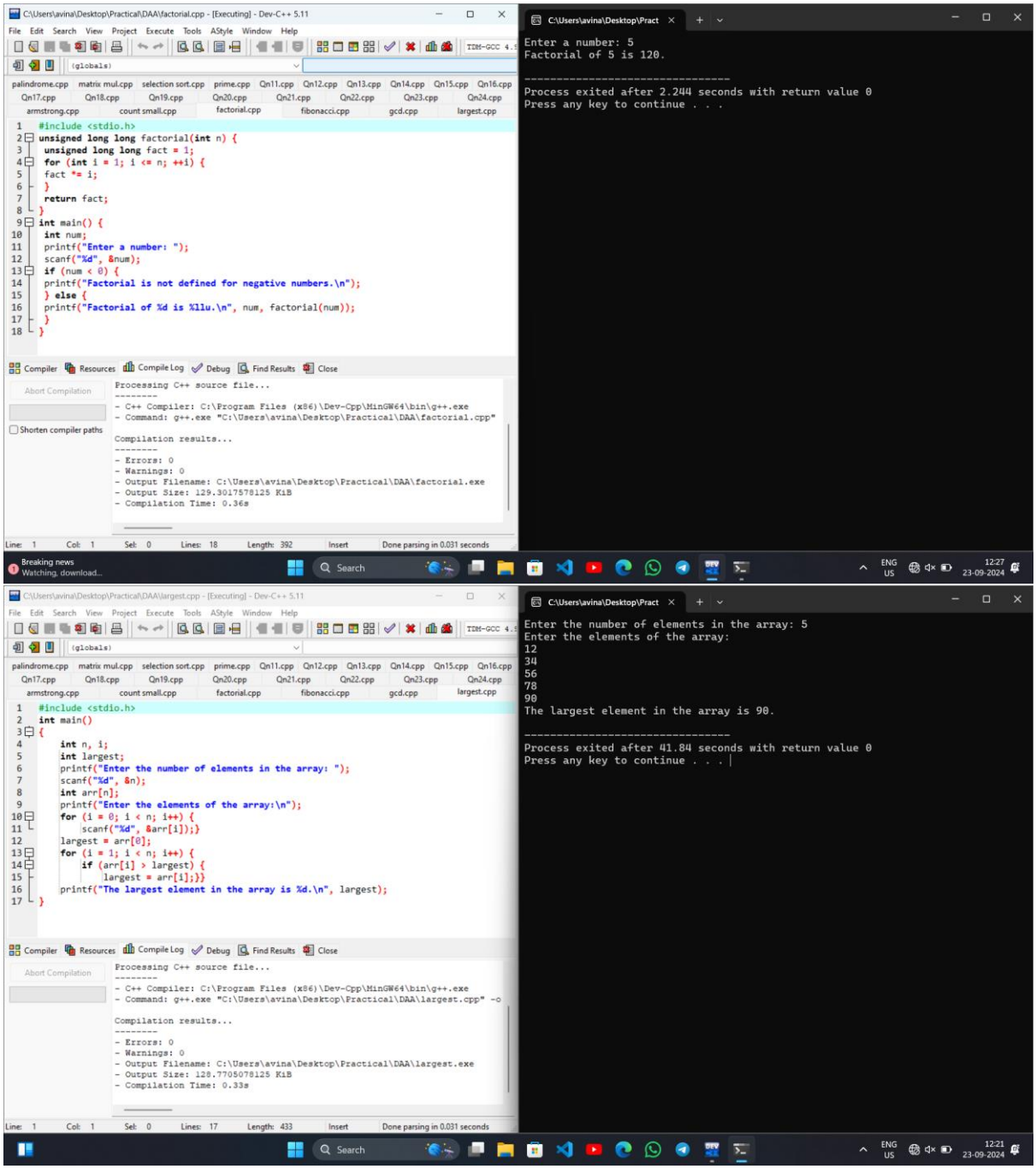

C:\Users\avina\Desktop\Practical\DAA\Qn10.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
[*] Qn10.cpp
left++;
right--;
}
return true;
}
int main() {
char str[100];
// Input: String to be checked
printf("Enter a string: ");
scanf("%s", str);
// Output: Check if the string is a palindrome
if (isPalindrome(str)) {
printf("\"%s\" is a palindrome.\n", str);
} else {
printf("\"%s\" is not a palindrome.\n", str);
}
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn10.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn10.exe
- Output Size: 129.1376953125 KiB
- Compilation Time: 0.30s
Line: 30 Col: 1 Sel: 0 Lines: 30 Length: 628 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter a string: racecar
"racecar" is a palindrome.
Process exited after 12.32 seconds with return value 0
Press any key to continue . . .
Nifty smlcap
+0.94%
Search
ENG
US
13:19
23-09-2024


C:\Users\avina\Desktop\Practical\DAA\Qn9.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
[*] Qn9.cpp
#include <stdio.h>
// Function to multiply two matrices
void multiplyMatrices(int firstMatrix[][10], int secondMatrix[][10], int
resultMatrix[][10], int r1, int c1, int r2, int c2) {
int i, j, k;
// Initialize the result matrix to 0
for (i = 0; i < r1; i++) {
for (j = 0; j < c2; j++) {
resultMatrix[i][j] = 0;
}
}
// Multiply the matrices
for (i = 0; i < r1; i++) {
for (j = 0; j < c2; j++) {
for (k = 0; k < c1; k++) {
resultMatrix[i][j] += firstMatrix[i][k] *
secondMatrix[k][j];
}
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn9.cpp" -o "C:
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn9.exe
- Output Size: 131.037109375 KiB
- Compilation Time: 0.28s
Line: 1 Col: 1 Sel: 0 Lines: 70 Length: 1963 Insert Done parsing in 0.078 seconds
C:\Users\avina\Desktop\Pract
Enter the number of rows and columns of the first matrix: 2 3
Enter the number of rows and columns of the second matrix: 3 2
Enter the elements of the first matrix:
1 2 3
4 5 6
Enter the elements of the second matrix:
7 8
9 10
11 12
Resultant Matrix:
58 64
139 154
Process exited after 33.42 seconds with return value 0
Press any key to continue . . .
EUR/INR -0.43%
Search
ENG US
13:21 23-09-2024

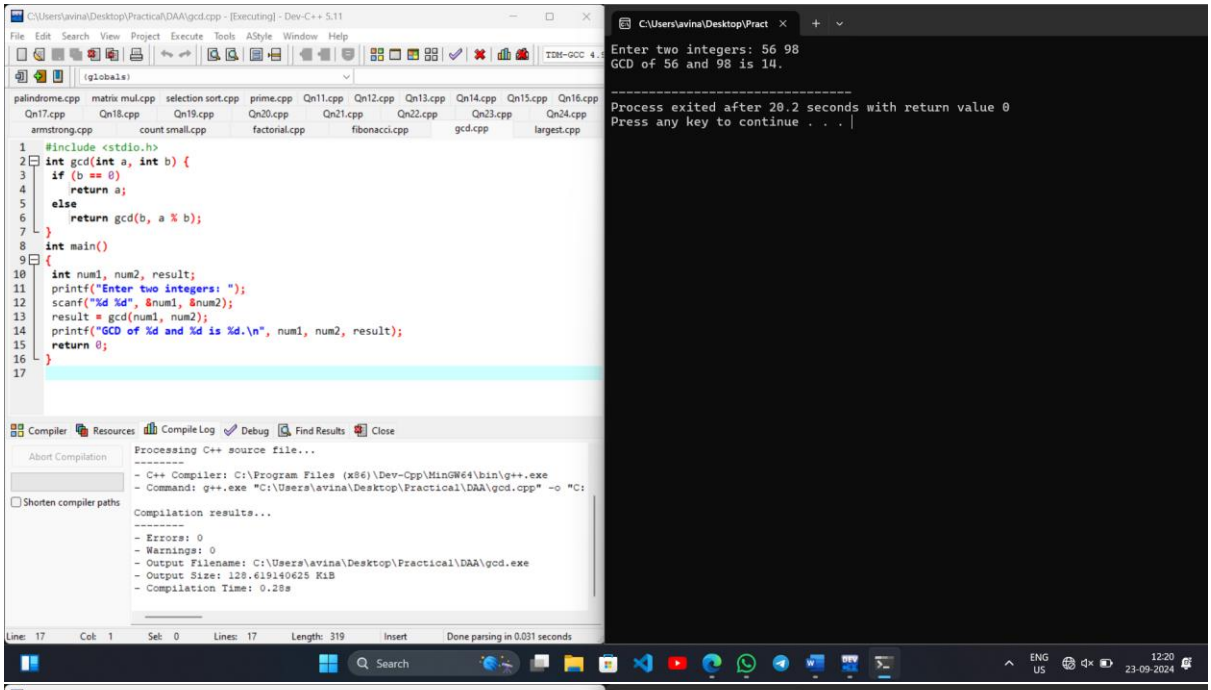

C:\Users\avina\Desktop\Practical\DAA\Qn8.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn8.cpp Qn9.cpp Qn10.cpp
#include <stdio.h>
// Function to perform bubble sort
void bubbleSort(int arr[], int n) {
int i, j, temp;
for (i = 0; i < n-1; i++) {
// Last i elements are already in place
for (j = 0; j < n-i-1; j++) {
// Compare and swap if elements are in the wrong order
if (arr[j] > arr[j+1]) {
temp = arr[j];
arr[j] = arr[j+1];
arr[j+1] = temp;
}
}
}
}
// Function to print an array
void printArray(int arr[], int size) {
int i;
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn8.cpp" -o "C:
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn8.exe
- Output Size: 130.5126953125 KiB
- Compilation Time: 0.31s
Line: 43 Col: 2 Sel: 0 Lines: 43 Length: 1000 Insert Done parsing in 0.016 seconds
C:\Users\avina\Desktop\Pract
Enter the number of elements in the array: 5
Enter the elements of the array:
10
25
4
59
64
Sorted array:
4 10 25 59 64
Process exited after 29.69 seconds with return value 0
Press any key to continue . . .
Nifty midcap +0.64%
Search
ENG US
13:17 23-09-2024

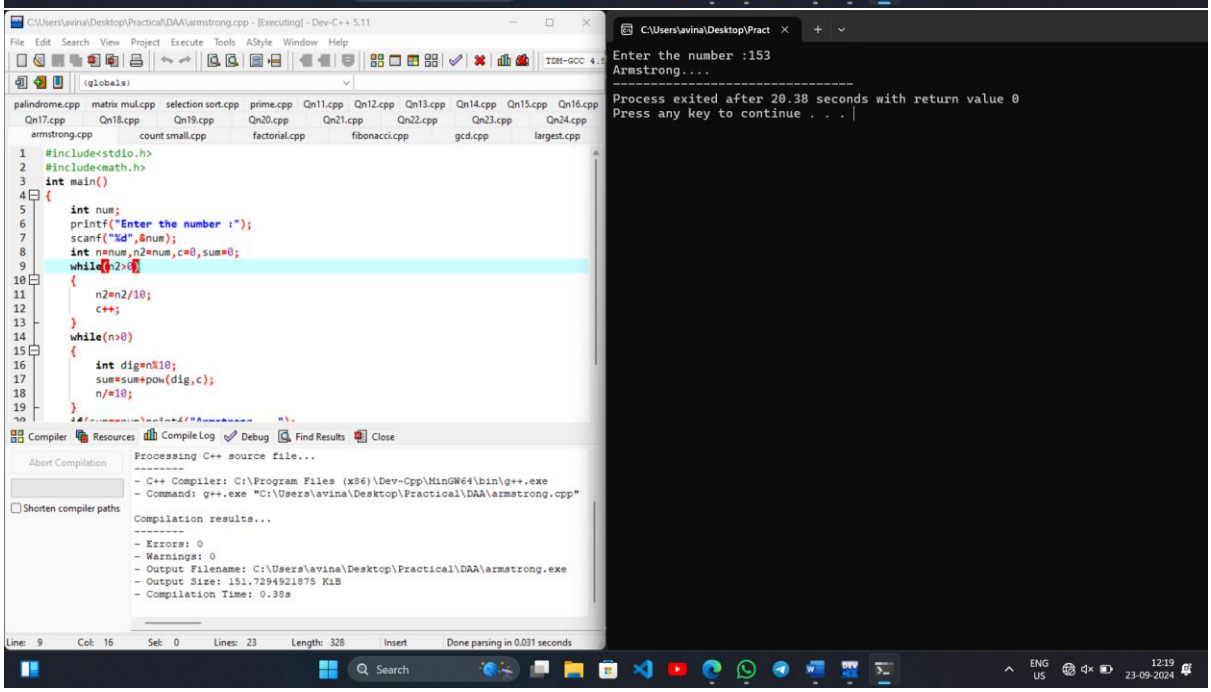

C:\Users\avina\Desktop\Practical\DAA\selection sort.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
palindrome.cpp matrix mul.cpp [*] selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
#include<stdio.h>
void selectionSort(int arr[],int n){
int i, j, min_idx, temp;
for (i = 0; i < n-1; i++) {
min_idx = i;
for (j = i+1; j < n; j++)
{
if (arr[j] < arr[min_idx])
{
min_idx = j;
}
}
temp = arr[min_idx];
arr[min_idx] = arr[i];
arr[i] = temp;
}
}
void printArray(int arr[], int size) {
int i;
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\selection sort.
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\selection sort.e
- Output Size: 130.515625 KiB
- Compilation Time: 0.33s
Line: 1 Col: 1 Sel: 0 Lines: 35 Length: 699 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter the number of elements in the array: 5
Enter the elements of the array:
64 25 48 63 12
Sorted array:
12 25 48 63 64
Process exited after 19.04 seconds with return value 0
Press any key to continue . . .
CMR - MLI
Game score
Search
ENG
US
12:28
23-09-2024

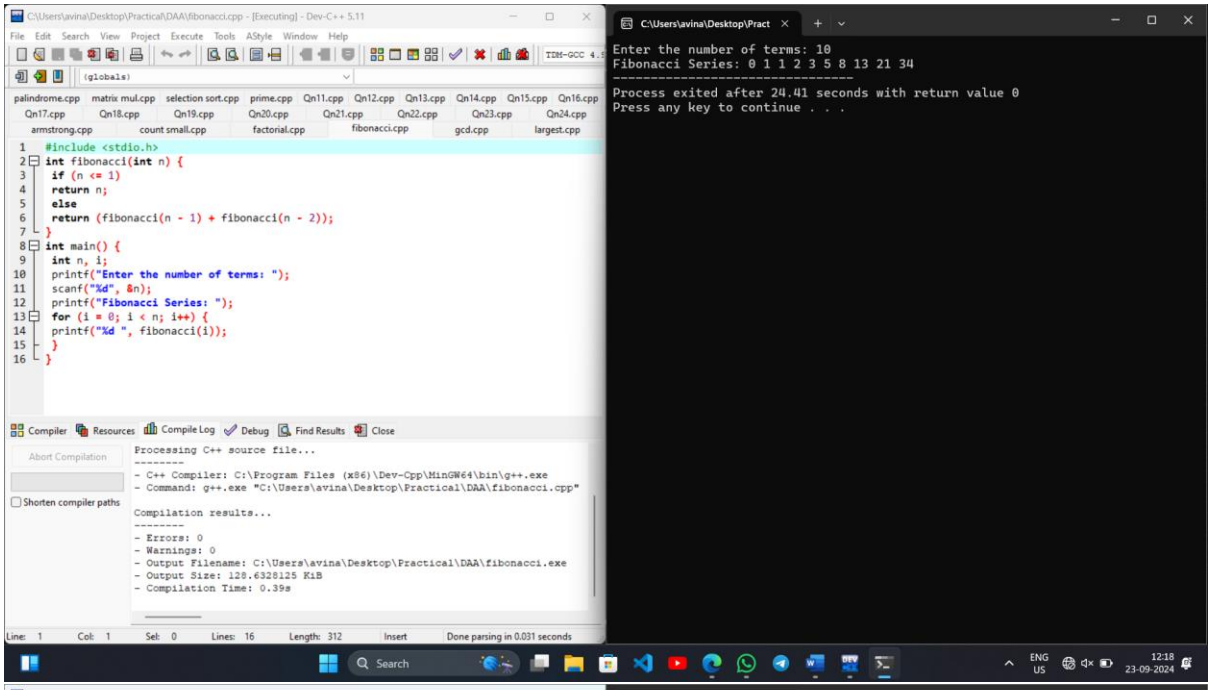
C:\Users\avina\Desktop\Practical\DAA\prime.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
palindrome.cpp matrix mul.cpp selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
#include <stdio.h>
#include <stdbool.h>
#include <math.h>
bool isPrime(int num) {
if (num <= 1) {
return false;
}
for (int i = 2; i <= sqrt(num); i++) {
if (num % i == 0) {
return false;
}
}
return true;
}
int main() {
int num;
printf("Enter a number: ");
scanf("%d", &num);
if (isPrime(num)) {
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\prime.cpp" -o "
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\prime.exe
- Output Size: 132.8994140625 KiB
- Compilation Time: 0.31s
Line: 1 Col: 1 Sel: 0 Lines: 26 Length: 447 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter a number: 5
5 is a prime number.
Process exited after 6.909 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
US
12:27
23-09-2024

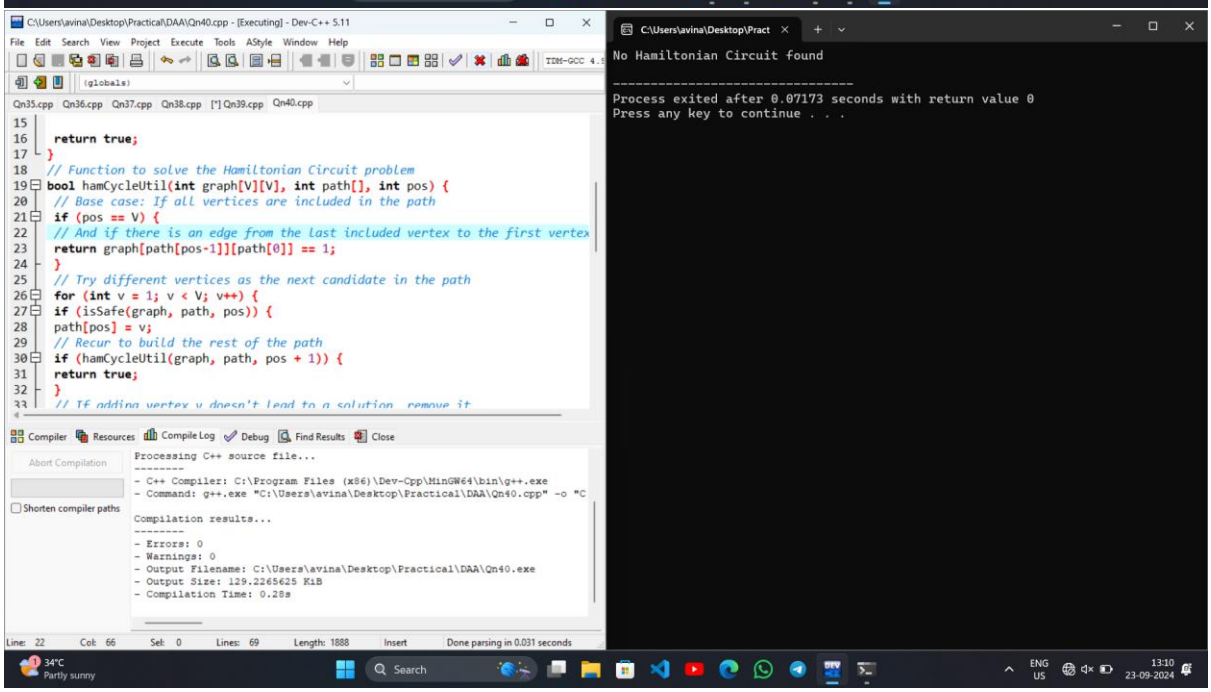

C:\Users\avina\Desktop\Practical\DAA\factorial.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
palindrome.cpp matrix mul.cpp selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
#include <stdio.h>
unsigned long long factorial(int n) {
unsigned long long fact = 1;
for (int i = 1; i <= n; ++i) {
fact *= i;
}
return fact;
}
int main() {
int num;
printf("Enter a number: ");
scanf("%d", &num);
if (num < 0) {
printf("Factorial is not defined for negative numbers.\n");
} else {
printf("Factorial of %d is %llu.\n", num, factorial(num));
}
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\factorial.cpp"
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\factorial.exe
- Output Size: 129.3017578125 KiB
- Compilation Time: 0.36s
Line: 1 Col: 1 Sel: 0 Lines: 18 Length: 392 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter a number: 5
Factorial of 5 is 120.
Process exited after 2.244 seconds with return value 0
Press any key to continue . . .
Breaking news
Watching, download...
Search
ENG US
12:27
23-09-2024

C:\Users\avina\Desktop\Practical\DAA\largest.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
palindrome.cpp matrix mul.cpp selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
#include <stdio.h>
int main()
{
int n, i;
int largest;
printf("Enter the number of elements in the array: ");
scanf("%d", &n);
int arr[n];
printf("Enter the elements of the array:\n");
for (i = 0; i < n; i++) {
scanf("%d", &arr[i]);}
largest = arr[0];
for (i = 1; i < n; i++) {
if (arr[i] > largest) {
largest = arr[i];}}
printf("The largest element in the array is %d.\n", largest);
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\largest.cpp" -o
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\largest.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.33s
Line: 1 Col: 1 Sel: 0 Lines: 17 Length: 433 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter the number of elements in the array: 5
Enter the elements of the array:
12
34
56
78
90
The largest element in the array is 90.
Process exited after 41.84 seconds with return value 0
Press any key to continue . . .
Search
ENG US
12:21
23-09-2024


C:\Users\avina\Desktop\Practical\DAA\gcd.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
palindrome.cpp matrix mul.cpp selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
#include <stdio.h>
int gcd(int a, int b) {
if (b == 0)
return a;
else
return gcd(b, a % b);
}
int main()
{
int num1, num2, result;
printf("Enter two integers: ");
scanf("%d %d", &num1, &num2);
result = gcd(num1, num2);
printf("GCD of %d and %d is %d.\n", num1, num2, result);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\gcd.cpp" -o "C:
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\gcd.exe
- Output Size: 128.619140625 KiB
- Compilation Time: 0.28s
Line: 17 Col: 1 Sel: 0 Lines: 17 Length: 319 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter two integers: 56 98
GCD of 56 and 98 is 14.
Process exited after 20.2 seconds with return value 0
Press any key to continue . . .
Search
ENG US
12:20 23-09-2024


C:\Users\avina\Desktop\Practical\DAA\armstrong.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
palindrome.cpp matrix mul.cpp selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
#include<stdio.h>
#include<math.h>
int main()
{
int num;
printf("Enter the number :");
scanf("%d",&num);
int n=num,n2=num,c=0,sum=0;
while(n2>0)
{
n2=n2/10;
c++;
}
while(n>0)
{
int dig=n%10;
sum=sum+pow(dig,c);
n/=10;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\armstrong.cpp"
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\armstrong.exe
- Output Size: 151.7294921875 KiB
- Compilation Time: 0.38s
Line: 9 Col: 16 Sel: 0 Lines: 23 Length: 328 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter the number :153
Armstrong....
Process exited after 20.38 seconds with return value 0
Press any key to continue . . .
Search
ENG US
12:19 23-09-2024


C:\Users\avina\Desktop\Practical\DAA\fibonacci.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
palindrome.cpp matrix mul.cpp selection sort.cpp prime.cpp Qn11.cpp Qn12.cpp Qn13.cpp Qn14.cpp Qn15.cpp Qn16.cpp
Qn17.cpp Qn18.cpp Qn19.cpp Qn20.cpp Qn21.cpp Qn22.cpp Qn23.cpp Qn24.cpp
armstrong.cpp count small.cpp factorial.cpp fibonacci.cpp gcd.cpp largest.cpp
#include <stdio.h>
int fibonacci(int n) {
if (n <= 1)
return n;
else
return (fibonacci(n - 1) + fibonacci(n - 2));
}
int main() {
int n, i;
printf("Enter the number of terms: ");
scanf("%d", &n);
printf("Fibonacci Series: ");
for (i = 0; i < n; i++) {
printf("%d ", fibonacci(i));
}
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\fibonacci.cpp"
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\fibonacci.exe
- Output Size: 128.6328125 KiB
- Compilation Time: 0.39s
Line: 1 Col: 1 Sel: 0 Lines: 16 Length: 312 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
Enter the number of terms: 10
Fibonacci Series: 0 1 1 2 3 5 8 13 21 34
Process exited after 24.41 seconds with return value 0
Press any key to continue . . .
Search
ENG US
12:18
23-09-2024


C:\Users\avina\Desktop\Practical\DAA\Qn40.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Qn35.cpp Qn36.cpp Qn37.cpp Qn38.cpp [*] Qn39.cpp Qn40.cpp
return true;
}
// Function to solve the Hamiltonian Circuit problem
bool hamCycleUtil(int graph[V][V], int path[], int pos) {
// Base case: If all vertices are included in the path
if (pos == V) {
// And if there is an edge from the last included vertex to the first vertex
return graph[path[pos-1]][path[0]] == 1;
}
// Try different vertices as the next candidate in the path
for (int v = 1; v < V; v++) {
if (isSafe(graph, path, pos)) {
path[pos] = v;
// Recur to build the rest of the path
if (hamCycleUtil(graph, path, pos + 1)) {
return true;
}
// If adding vertex v doesn't lead to a solution, remove it
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Processing C++ source file...
- C++ Compiler: C:\Program Files (x86)\Dev-Cpp\MinGW64\bin\g++.exe
- Command: g++.exe "C:\Users\avina\Desktop\Practical\DAA\Qn40.cpp" -o "C
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\avina\Desktop\Practical\DAA\Qn40.exe
- Output Size: 129.2265625 KiB
- Compilation Time: 0.28s
Line: 22 Col: 66 Sel: 0 Lines: 69 Length: 1888 Insert Done parsing in 0.031 seconds
C:\Users\avina\Desktop\Pract
No Hamiltonian Circuit found
Process exited after 0.07173 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG US
13:10
23-09-2024