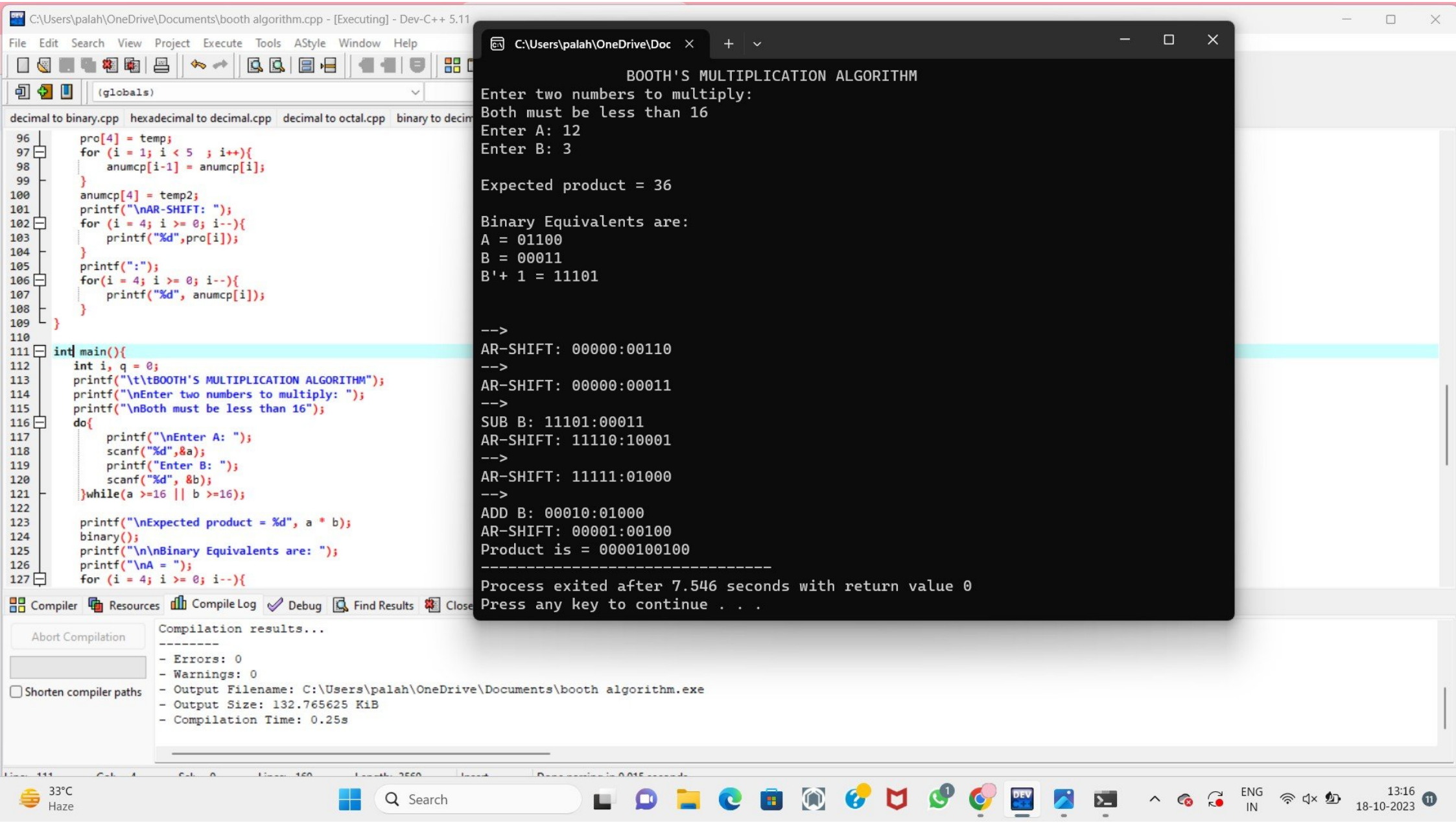
C:\Users\palah\OneDrive\Documents\booth algorithm.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
decimal to binary.cpp
hexadecimal to decimal.cpp
decimal to octal.cpp
binary to decim
96 pro[4] = temp;
97 for (i = 1; i < 5 ; i++){
98 anumcp[i-1] = anumcp[i];
99 }
100 anumcp[4] = temp2;
101 printf("\nAR-SHIFT: ");
102 for (i = 4; i >= 0; i--){
103 printf("%d",pro[i]);
104 }
105 printf(":");
106 for(i = 4; i >= 0; i--){
107 printf("%d", anumcp[i]);
108 }
109 }
110
111 int main(){
112 int i, q = 0;
113 printf("\t\tBOOTH'S MULTIPLICATION ALGORITHM");
114 printf("\nEnter two numbers to multiply: ");
115 printf("\nBoth must be less than 16");
116 do{
117 printf("\nEnter A: ");
118 scanf("%d",&a);
119 printf("Enter B: ");
120 scanf("%d", &b);
121 }while(a >=16 || b >=16);
122
123 printf("\nExpected product = %d", a * b);
124 binary();
125 printf("\n\nBinary Equivalents are: ");
126 printf("\nA = ");
127 for (i = 4; i >= 0; i--){
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\palah\OneDrive\Documents\booth algorithm.exe
- Output Size: 132.765625 KiB
- Compilation Time: 0.25s
C:\Users\palah\OneDrive\Doc
BOOTH'S MULTIPLICATION ALGORITHM
Enter two numbers to multiply:
Both must be less than 16
Enter A: 12
Enter B: 3
Expected product = 36
Binary Equivalents are:
A = 01100
B = 00011
B'+ 1 = 11101
-->
AR-SHIFT: 00000:00110
-->
AR-SHIFT: 00000:00011
-->
SUB B: 11101:00011
AR-SHIFT: 11110:10001
-->
AR-SHIFT: 11111:01000
-->
ADD B: 00010:01000
AR-SHIFT: 00001:00100
Product is = 0000100100
Process exited after 7.546 seconds with return value 0
Press any key to continue . . .
33°C Haze
Search
ENG IN
13:16 18-10-2023