```
G:\_CSC\CSC2100-001\CLASS NOTES\Class22\passByValueNoReturn.cpp - Notepad++
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  passBvValueNoRetum.cpp
             1 #include <iostream>
                             using namespace std;
             4 void doubleNum(int);
            6 int main()
            7 ₽{
            8
                                                    int num = 7;
            9
                                                     doubleNum(num); //passing num by value
                                                     cout << "\n\nNum in main: " << num << endl;</pre>
        11
                                                     return 0;
        12 1
       13 void doubleNum(int num)
       14 ₽{
       15
                                                     num = num \star 2;
                                                     cout << "\n\nNum in doubleNum: " << num << endl;</pre>
       16
        17
  C++ source file
                                                                                                  length: 306 lines: 20
                                                                                                                                                                         Ln:20 Col:1 Sel:0|0
                                                                                                                                                                                                                                                                      Dos\Windows
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*G:\_CSC\CSC2100-001\CLASS NOTES\Class22\passByValueNoReturn.cpp - Notepad++
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   1 #include <iostream>
      using namespace std;
      int doubleNum(int);
   5
      int main()
  7 ₽{
  8
            int num = 7;
  9
            num = doubleNum(num); //passing num by value
 10
            cout << "\n\nNum in main: " << num << endl;</pre>
            return 0;
 11
 12 \}
 13 int doubleNum(int num)
 14 ₽{
 15
            num = num \star 2;
 16
            cout << "\n\nNum in doubleNum: " << num << endl;</pre>
 17
            return num;
 18 L}
                                       Ln:21 Col:1 Sel:0|0
```

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G:\_CSC\CSC2100-001\CLASS NOTES\Class22\a\

Num in doubleNum: 14

Num in main: 7

G:\_CSC\CSC2100-001\CLASS NOTES\Class22\a\

III
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G:\_CSC\CSC2100-001\CLASS NOTES\Class22\a\

Num in doubleNum: 14

Num in main: 14

G:\_CSC\CSC2100-001\CLASS NOTES\Class22\_
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G:\_CSC\CSC2100-001\CLASS NOTES\Class22\passByReference.cpp - Notepad++
passByReference.cpp
      #include <iostream>
     using namespace std;
     void doubleNum(int&);
  5
  6 int main()
  7 ₽{
  8
          int num = 7;
  9
          doubleNum(num); //passing num by reference
          cout << "\n\nNum in main: " << num << endl;</pre>
 11
          return 0;
 12 1
 13
     void doubleNum(int &num)
 14 ₽{
 15
          num = num \star 2;
 16
          cout << "\n\nNum in doubleNum: " << num << endl;</pre>
 17 <sup>L</sup>}
C++ source file
                   length: 318 lines: 23
                                Ln:18 Col:1 Sel:0|0
                                                  Dos\Windows
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```
C:\Windows\System32\cmd.exe

G:\_CSC\CSC2100-001\CLASS NOTES\Class22\a\

Num in doubleNum: 14

Num in main: 14

G:\_CSC\CSC2100-001\CLASS NOTES\Class22\
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G:\_CSC\CSC2100-001\CLASS NOTES\Class22\passByPointer.cpp - Notepad++
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passByPointer.cpp
       #include <iostream>
       using namespace std;
      void doubleNum(int*);
  6 int main()
  7 ₽ {
  8
            int num = 7;
  9
            doubleNum(&num); //passing address of num
            cout << "\n\nNum in main: " << num << endl;</pre>
 10
 11
            return 0;
 12 \{\}
 13 void doubleNum(int *num)
 14 ₽{
 15
            *num = *num * 2;
 16
            cout << "\n\nNum in doubleNum: " << *num << endl;
 17 L}
```

