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G:\CSC\CSC2100-001\CLASS NOTES\Class22\passByValueNoReturn.cpp - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
passByValueNoReturn.cpp
1 #include <iostream>
2 using namespace std;
3
4 void doubleNum(int);
5
6 int main()
7 {
8     int num = 7;
9     doubleNum(num); //passing num by value
10    cout << "\n\nNum in main:  " << num << endl;
11    return 0;
12 }
13 void doubleNum(int num)
14 {
15     num = num * 2;
16     cout << "\n\nNum in doubleNum:  " << num << endl;
17 }
```

C++ source file length: 306 lines: 20 Ln: 20 Col: 1 Sel: 0 | 0 Dos\Windows ANSI INS

```
C:\Windows\System32\cmd.exe
G:\_CSC\CSC2100-001\CLASS NOTES\Class22>a

Num in doubleNum:  14

Num in main:  7
G:\_CSC\CSC2100-001\CLASS NOTES\Class22>a
```

```
G:\CSC\CSC2100-001\CLASS NOTES\Class22\passByValueNoReturn.cpp - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
passByValueNoReturn.cpp
1 #include <iostream>
2 using namespace std;
3
4 int doubleNum(int);
5
6 int main()
7 {
8     int num = 7;
9     num = doubleNum(num); //passing num by value
10    cout << "\n\nNum in main:  " << num << endl;
11    return 0;
12 }
13 int doubleNum(int num)
14 {
15     num = num * 2;
16     cout << "\n\nNum in doubleNum:  " << num << endl;
17     return num;
18 }
```

C++ source file length: 330 lines: 24 Ln: 21 Col: 1 Sel: 0 | 0 Dos\Windows ANSI INS

```
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>_
```

```
G:\CSC\CSC2100-001\CLASS NOTES\Class22\passByReference.cpp - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
passByReference.cpp
1 #include <iostream>
2 using namespace std;
3
4 void doubleNum(int&);
5
6 int main()
7 {
8     int num = 7;
9     doubleNum(num); //passing num by reference
10    cout << "\n\nNum in main: " << num << endl;
11    return 0;
12 }
13 void doubleNum(int &num)
14 {
15     num = num * 2;
16     cout << "\n\nNum in doubleNum: " << num << endl;
17 }
C++ source file length: 318 lines: 23 Ln:18 Col:1 Sel:0|0 Dos\Windows ANSI INS
```

```
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>
```

```
G:\CSC\CSC2100-001\CLASS NOTES\Class22\passByPointer.cpp - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
passByPointer.cpp
1 #include <iostream>
2 using namespace std;
3
4 void doubleNum(int*);
5
6 int main()
7 {
8     int num = 7;
9     doubleNum(&num); //passing address of num
10    cout << "\n\nNum in main: " << num << endl;
11    return 0;
12 }
13 void doubleNum(int *num)
14 {
15     *num = *num * 2;
16     cout << "\n\nNum in doubleNum: " << *num << endl;
17 }
C++ source file length: 320 lines: 23 Ln:19 Col:1 Sel:0|0 Dos\Windows ANSI INS
```

```
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>
```