

## Variable Declaration

Written by Administrator

Thursday, 04 October 2012 08:10 -

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### Variable Declaration

(Variables) C++

user defined identifier  
C++ (Declaration) (Data type)

int, float

variable\_name ; (semi-colon)

1. definition

...

#include <iostream.h>

void main()

{ int number;

float sales, purchase; definition

char grade;

...

2. pos\_var.cpp

/\*Program : pos\_var.cpp

Process : Show declared variable at any position in program \*/

#include <iostream.h>

#include <conio.h>

void main()

{ float sale,price;

clrscr();

sale=500.25;

price=5.25;

float total=sale\*price; total

cout<< "Total Sale = "<<total;

getch();

}

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**C++** 2

1. **Global variable** Global

2. **Local variable** Local

Global Local

Global Local

Global Local

Global Local

Global Local

Global Local

Global Local

C++ Local

glo\_loc.cpp Global Local

```
/*Program : glo_loc.cpp
```

```
Process : define global and locat variable */
```

```
#include <iostream.h>
```

```
#include <conio.h>
```

```
char grade; //defined global variable Global Variable
```

```
void main()
```

```
{ int midterm,final,total; //defined local variable in function main() Local
```

```
clrscr();
```

```
main() Variable
```

```
midterm = 30;
```

```
final=50;
```

```
total=midterm+final;
```

```
grade='A';
```

```
cout<< "You get total score "<<total<<" And get grade = " <<grade;
```

```
getch();
```

```
}
```

• **Constant**

(Constant)

Global Local

Global Local

const

```
const = ;
```

```
const int Day = 7;
```

```
const int month = 12;
```

```
const float PI = 3.1418926;
```

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```
const float Amount = 1.0E+2; // 1.0 * 102
const float Rate = 1E-3; // 1 * 10-3
const char name = 'A'; // ASCII A 65
const char ch = 'B'; // ASCII B 66
```

```
const.cpp constant
```

```
/*Program : const.cpp
Process : Display constant in program
*/
#include <iostream.h>
#include <conio.h>
const float rate = 0.05; // Global constant
void main()
{ const float tax=0.03; //Local constant
float sales,income,total_tax;
clrscr();
sales = 8500.50;
income = sales*rate;
total_tax=income*tax;
cout<< "Income = "<< income <<endl;
cout<< "Total tax = "<< total_tax <<endl;
getch();
}
```