http://www.tutorialspoint.com/cplusplus/cpp_class_member_functions.htm

A member function of a class is a function that has its definition or its prototype within the class definition like any other variable. It operates on any object of the class of which it is a member, and has access to all the members of a class for that object.

Let us take previously defined class to access the members of the class using a member function instead of directly accessing them:

Member functions can be defined within the class definition or separately using **scope resolution operator**, ::. Defining a member function within the class definition declares the function **inline**, even if you do not use the inline specifier. So either you can define **Volume()** function as below:

If you like you can define same function outside the class using **scope resolution operator**, :: as follows:

```
double Box::getVolume(void)
{
   return length * breadth * height;
}
```

Here, only important point is that you would have to use class name just before :: operator. A member function will be called using a dot operator (.) on a object where it will manipulate data related to that object only as follows:

```
Box myBox; // Create an object
myBox.getVolume(); // Call member function for the object
```

Let us put above concepts to set and get the value of different class members in a class:

```
// Member functions declaration
      double getVolume(void);
      void setLength( double len );
      void setBreadth( double bre );
      void setHeight( double hei );
};
// Member functions definitions
double Box::getVolume(void)
    return length * breadth * height;
void Box::setLength( double len )
    length = len;
void Box::setBreadth( double bre )
   breadth = bre;
void Box::setHeight( double hei )
    height = hei;
// Main function for the program
int main()
  Box Box1;
                            // Declare Box1 of type Box
  Box Box2;
                            // Declare Box2 of type Box
  double volume = 0.0;
                            // Store the volume of a box here
   // box 1 specification
  Box1.setLength(6.0);
  Box1.setBreadth(7.0);
  Box1.setHeight(5.0);
   // box 2 specification
  Box2.setLength(12.0);
  Box2.setBreadth(13.0);
  Box2.setHeight(10.0);
  // volume of box 1
  volume = Box1.getVolume();
  cout << "Volume of Box1 : " << volume <<endl;</pre>
   // volume of box 2
  volume = Box2.getVolume();
   cout << "Volume of Box2 : " << volume <<endl;</pre>
   return 0;
```

When the above code is compiled and executed, it produces the following result:

```
Volume of Box1 : 210
Volume of Box2 : 1560
```