String 与Int的转换：

1.JavaScript：

int ====>string: string s=string.valueOf(int i);

string s=Integer.toString(int i);

string s=””+i;

string ====>int: int i=Integer.parseInt(string s);

Int i=Integer.ValueOf(string s);

Int i=s-0;

1. Java：

int ====>string: string s=string.valueOf(int i);

string s=Integer.toString(int i);

string s=””+i;

string ====>int: int i=Integer.parseInt(string s);

Int i=Integer.ValueOf(string s).intValue();

Int i=s-0;

1. c++:

****int转string****

1.c++11标准增加了全局函数std::to\_string:

string to\_string (int val);

string to\_string (long val);

string to\_string (long long val);

string to\_string (unsigned val);

string to\_string (unsigned long val);

string to\_string (unsigned long long val);

string to\_string (float val);

string to\_string (double val);

string to\_string (long double val);

Example:

1. // to\_string example
2. #include <iostream>   // std::cout
3. #include <string>     // std::string, std::to\_string
5. **int** main ()
6. {
7. std::string pi = "pi is " + std::to\_string(3.1415926);
8. std::string perfect = std::to\_string(1+2+4+7+14) + " is a perfect number";
9. std::cout << pi << '\n';
10. std::cout << perfect << '\n';
11. **return** 0;
12. }

Output:

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1. pi is 3.141593
2. 28 is a perfect number

2.采用sstream中定义的字符串流对象来实现

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1. ostringstream os; //构造一个输出字符串流，流内容为空
2. **int** i = 12;
3. os << i; //向输出字符串流中输出int整数i的内容
4. cout << os.str() << endl; //利用字符串流的str函数获取流中的内容

****二、string转int****

1.可以使用std::stoi/stol/stoll等等函数  
Example:

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1. // stoi example
2. #include <iostream>   // std::cout
3. #include <string>     // std::string, std::stoi
5. **int** main ()
6. {
7. std::string str\_dec = "2001, A Space Odyssey";
8. std::string str\_hex = "40c3";
9. std::string str\_bin = "-10010110001";
10. std::string str\_auto = "0x7f";
12. std::string::size\_type sz;   // alias of size\_t
14. **int** i\_dec = std::stoi (str\_dec,&sz);
15. **int** i\_hex = std::stoi (str\_hex,nullptr,16);
16. **int** i\_bin = std::stoi (str\_bin,nullptr,2);
17. **int** i\_auto = std::stoi (str\_auto,nullptr,0);
19. std::cout << str\_dec << ": " << i\_dec << " and [" << str\_dec.substr(sz) << "]\n";
20. std::cout << str\_hex << ": " << i\_hex << '\n';
21. std::cout << str\_bin << ": " << i\_bin << '\n';
22. std::cout << str\_auto << ": " << i\_auto << '\n';
24. **return** 0;
25. }

Output:

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1. 2001, A Space Odyssey: 2001 and [, A Space Odyssey]
2. 40c3:  16579
3. -10010110001: -1201
4. 0x7f: 127

2.采用标准库中atoi函数,对于其他类型也都有相应的标准库函数，比如浮点型atof(),long型atol()等等

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1. string s = "12";
2. **int** a = atoi(s.c\_str());

3.采用sstream头文件中定义的字符串流对象来实现转换

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1. istringstream is("12"); //构造输入字符串流，流的内容初始化为“12”的字符串
2. **int** i;
3. is >> i; //从is流中读入一个int整数存入i中