

ASCII values

ASCII stands for American Standard Code for Information Interchange. This is the code that assigns an integer value to every character that you can enter on the keyboard (and some more). The ASCII value, (or in C++ we also say 'Original Value') of capital 'A' is 65, capital 'B' is 66, etc. Lower case 'a' is 97, lower case 'b' is 98, the digit '0' is 48.

You can use the ASCII values in your programs. For example:

```
int main ()
{
    char c;
    c = 'A';
    int x = c;
    cout << x << endl;          // Outputs 65;

    x = c - 'A';
    cout << x << endl;          // Outputs 0

    apstring word;
    cin >> word;
    for (int i = 0; i < word.length(); i++)
        cout << static_cast<int>(word[i]); // Outputs ASCII value of all the
                                            // letters in the word entered
```

You should know the ASCII value for capital 'A', lower case 'a', and the digit '0'.