Character Array and String Class

	c- string	**string class**	**Comment**
Header files needed	#include <cstring>	#include <string>	
Declaration	char str1[10]= "Hello"; char str2[6] = "Hey";	string str1 = "Hello"; // string class constructor string str2("Hey");	
Read from console	cin.getline(str1, 8) cin >> str1	getline(cin, str1, 8); cin >> str1;	
Access a single element	cout << str1[I]	cout << str1[I]	A string name can be used the same way as an array name
String manipulation functions	len = strlen(str1) strcat(str1, str2) strcpy(str1, str2) strcmp(str1,str2) strstr(str1,str2)	len = str1.length(); str1.append(str2) str1.copy(str2) str1.compare(str2) str1.substr(str2)	1. **#include <cctype>** is needed to use c-string manipulation functions 2. **#include <string>** is needed to use string class member functions for string manipulation
Overloaded operator (=, +=, +, = =, <=, >=, >, <)		str1 = str2; str1 +=str2; str1 = str1+str2; if(str1 ==str2) if(str1 <=str2) if(str1 !=str2) if (str1>=str2) if (str1>str2) if (str1<str2)	