

1. Encrypt a string using +3 rotation using a recursive function named **void Crypt(char *Data)**
2. You have an array of 100 integers that you want to write out to a binary file using a single write statement. Show how to do this, and show how to open and close file.
3. You want to read the array of 100 integers back in one at a time, but you want to skip every other integer, starting with the first. Show how to do this.
4. You have a string saved in a character array of 1000 characters. Print out the string length. Search the string for the character sequence "qrs" using strcmp. Print the remainder of the string after "qrs" or "not found" if you didn't find it.
5. Create a class containing a character pointer and write the constructor, destructor, copy constructor and assignment overload for it.
6. Derive a new class from the old class. The new class adds an integer variable to the class.
7. Create an integer array of size N, where N is a variable. Initialize the array with the values 0 through N-1. Show how to print out every fourth element of the array, starting with element number zero.