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| American University of SharjahSchool of Engineering Computer Science & Engineering Department  P. O. Box 26666, Sharjah, UAE |  | **LAB Instructor:** Eng. Sameer Alawnah **Office**: EB2-101  **Phone**: 971-6-515-2974  **e-mail**: salawnah@aus.edu  **Semester**: Fall 2016 |

**CMP 220 Intro. to Computer Science II**

**Quiz # 1**

Write a program to read an array of strings from the user (you should ask him first for the number of strings), save them in a dynamic array and finally print them to a file, the first value in the file is number of strings followed by the strings.

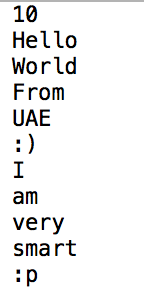
Your program structure should be as the following:

* A function to read the array of strings (readStrings), the function should read the strings from the user. The function takes the number of strings (passed by reference to be initialized in the function, you should ask the user for it). The output of your function is a pointer to the array of strings that you read from the user.
* A function to print the array of strings (pringStrings), the function should take the file name, a pointer to the array of strings and the number of strings, your function should print the number of strings and the strings to the file.
* A main() function to read the strings from the user and print them to the file “outputs.txt” using the printStrings.

Notes:

* Your program shouldn’t waste computer memory.
* You can use c-strings to save/pass file name to the function/s
* In the array of strings you should use c++ strings (strings library).

outputs.txt



Good Luck ☺

#include <iostream>

#include <string>

#include<fstream>

using namespace std;

void readString(int&numstr, string\* ptr);

void pringString(string name, int num,string \*ptr);

void main()

{

ifstream in;

string \*ptr;

int numstr;

cout << "Please enter number of strings: ";

cin >> numstr;

cout << "please enter strings";

ptr = new string [numstr];

readString(numstr, ptr);

pringString("output.txt",numstr, ptr);

in.close();

}

void readString(int&numstr, char\* ptr)

{

for (int i = 0; i < numstr; i++)

{

cin >> ptr[i];

}

for (int i = 0; i < numstr; i++)

{

cout<<ptr[i];

}

}

void pringString(char name, int num, char \*ptr)

{

ofstream out("output.txt");

for (int i = 0; i < num; i++)

{

out << ptr[i];

}

out.close();

}}