# Question No 1:

#include<iostream>

#include<string>

using namespace std;

int main()

{

cout << "#### MENU ####" << endl

<< "1: Finding Length of String" << endl

<< "2: Comparing String" << endl

<< "3: String Concatenation (Append)" << endl

<< "4: String Copy " << endl

<< "5: Search String for character" << endl

<< "6: Replace Character within a string " << endl

<< "7: Search String for substring (First Occurrence) " << endl

<< "8: Search String for substring (Last Occurrence) " << endl

<< "9: Extract from string " << endl

<< "10: Print String " << endl

<< "11: EXIT" << endl;

string s1, s2, s3;

cout << "Enter Two Strings (use ; to terminate the second string)" << endl;

getline(cin, s1);

getline(cin, s2, ';');

int c, x;

cout << "ENTER YOUR CHOICE" << endl;

cin >> c;

do

{

switch (c)

{

case 1:

{

cout << "length of string 1: " << s1.length() << endl;

cout << "length of string 2: " << s2.length() << endl;

break;

}

case 2:cout << "comparing string 1 to string 2: " << s1.compare(s2) << endl;

break;

case 3:cout << "appends a copy of the sring 2 at the end of string 1" << endl << s1.append(s2);

break;

case 4:

{

s1 = s2;

cout << "copy string 2 into the string 1: " << endl << s1 << endl;

break;

}

case 5:cout << "character c in string 1: " << s1.find('c') << endl;

break;

case 6:

{

x = s2.find('c');

s2[x] = 'k';

cout << s2 << endl;

break;

}

case 7:cout << s1.find(s2) << endl;

break;

case 8:

{

x = s1.find(s2);

cout << s1.find(s2, x + 1) << endl;

break;

}

case 9:

{

x = s1.find(" the");

if (x == 0)

cout << "The not found" << endl;

else

{

s1[x] = ' ';

cout << s1 << endl;

}

break;

}

case 10:

{

cout << "string 1: " << s1 << endl;

cout << "string 2" << s2 << endl;

break;

}

case 11:break;

}

} while (c < 0);

system("pause");

return 0;

}

