**OOP244 Quiz Three**

Name: Seneca Email ID: Section:

(marks: 0- not present, 1- wrong or no answer, 2- tried by wrong, 3- correct or almost correct answer)

The program on the other side of this page receives unknown number of integers from user and prints them in reverse order.

The program is complete but you need to complete the dynamic memory allocation and dynamic resizing of memory where the comments specify.

The code follows the steps specified for resizing:

1 – Create a temp pointer of the same type of the data pointer

2 – Allocate desired amount of data and hold the with the temp pointer

3 – Copy the old data help by the data pointer into the memory held by the temp pointer

4 – delete the memory held by the data pointer

5 – make the data pointer point the newly allocated memory held by temp.

#include <iostream>

#include <new>

using namespace std;

int main(){

int size = 10;

// dynamically allocate "size" integers and hold the address in

// intNums:

int\* intNums = ;

int i;

cout << "Enter non-zero Integer number end them by entering zero:" << endl;

for (i = 0; intNums[i] ; i++){

if (i == size){

// dynamicaaly allocate additional 5 integers in temp

int\* temp = ;

// copy the old values in "intNums" into thier

// corresponding elements in temp

// delete the memeory held by "intNums"

// Make "intNums" to point where temp is pointing

size += 5;

}

cout << (i + 1) << ": ";

cin >> intNums[i];

}

for (int k = i - 2; k >= 0; k--){

cout << intNums[k] << " ";

}

// delete the memory help by "intNums"

return 0;

}