Login to matrix and create a file called “quiz.txt”.

Answer the following questions and when done enter the following command:

~fardad.soleimanloo/submit oopq2 <ENTER>

1- What is the exact output of the following program:

#include <iostream>

using namespace std;

int& ref(int& r, int i){

r = r + i;

return r;

}

int main() {

int a = 25;

int b = 5;

int& R = b;

R += 10;

cout << b << endl;

ref(b, a) += 20;

cout << b << endl;

return 0;

}

2- If there is a sturct called Student create a dynamic array of 100 students and delete it in next line.

3- If there a function called sort (void sort(int arr[], int size)) already exists in a library called “sort.h”. Using “dynamic memory allocation” write a program that sorts unknown number of integers received from user:

1. Ask the user for number of integers.
2. Allocate a dynamic array of integers with the size of the number you just received
3. In a loop get the numbers one by one from user.
4. Pass the array to the sort function above.
5. In a loop print sorted numbers one by one
6. Delete the dynamically allocated array of integers.