```cpp
#include <iostream>

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//COSC220 Lab-1
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//This program allows the user to enter any amount of integers then computes the mean and displays
//that to the user.

using namespace std;
//Prototypes
double mean(int ar[], int size); //takes in array and size of array and reutrns a double mean
double mean2(int* ar, int size); //takes in array and size of array and returns a double mean
int main(){
        //creates a pointer to arr
        int* arr;
        int* newarr;
        //arr is assigned an integer array of initial size 10
        arr = new int[10];
        //temp will hold the value the user enters
        //count will count the elements of the array
        int temp, count = 0;
        do{//do-while loop allows the user to keep inputing integers until a -1 is entered
                cout << "Enter an integer to be stored into an array(-1 to quit): ";
                cin >> temp;
                //newarr points to an array that is one item larger
                newarr = new int[count + 1];
                //the contents of arr are copied to newarr
                for(int i = 0; i < count; i++)
                {
                        *(newarr + i) = *(arr + i);
                }
                //what arr was pointing to before the new element was added
                //is now deleted.
                delete[] arr;
                //arr now points to the newarr that holds the extra element
                arr = newarr;
                if(temp != -1){//when the user wants to keep storing integers
                        //store the temp value in arr[count]
                        arr[count] = temp;
                        //increment count
                        count++;
                }

        }while(temp != -1);
        //the output of the two funcitons mean and mean2 are displayed
        cout << "Mean: " << mean(arr, count) << endl;
        cout << "Mean 2: " << mean2(arr, count) << endl;
        //finally arr is deleted to prevent a memory leak
        delete[] arr;
        cout << "Arr[] Deleted\nGoodbye." << endl;
        return 0;
}

double mean(int ar[], int size){
        //sum will store the sum of all the elements in order to calculate the mean
        double sum = 0;
        for(int i = 0; i < size; i++){
                sum += ar[i];
        }
        //returns the mean
        return sum/size;
```

```cpp
}
double mean2(int* ar, int size){
        double sum = 0;
        for(int i = 0; i < size; i++)
        {
                //ar[i] is now being done by the dereferencing of the first element of ar
                //then added to the int i, to get the memory location of ar[i] which is
                //dereferenced to be added to sum.
                sum += *(ar + i);
        }
        //returns the mean
        return sum/size;
}
```