NUST

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Lab Task # 8

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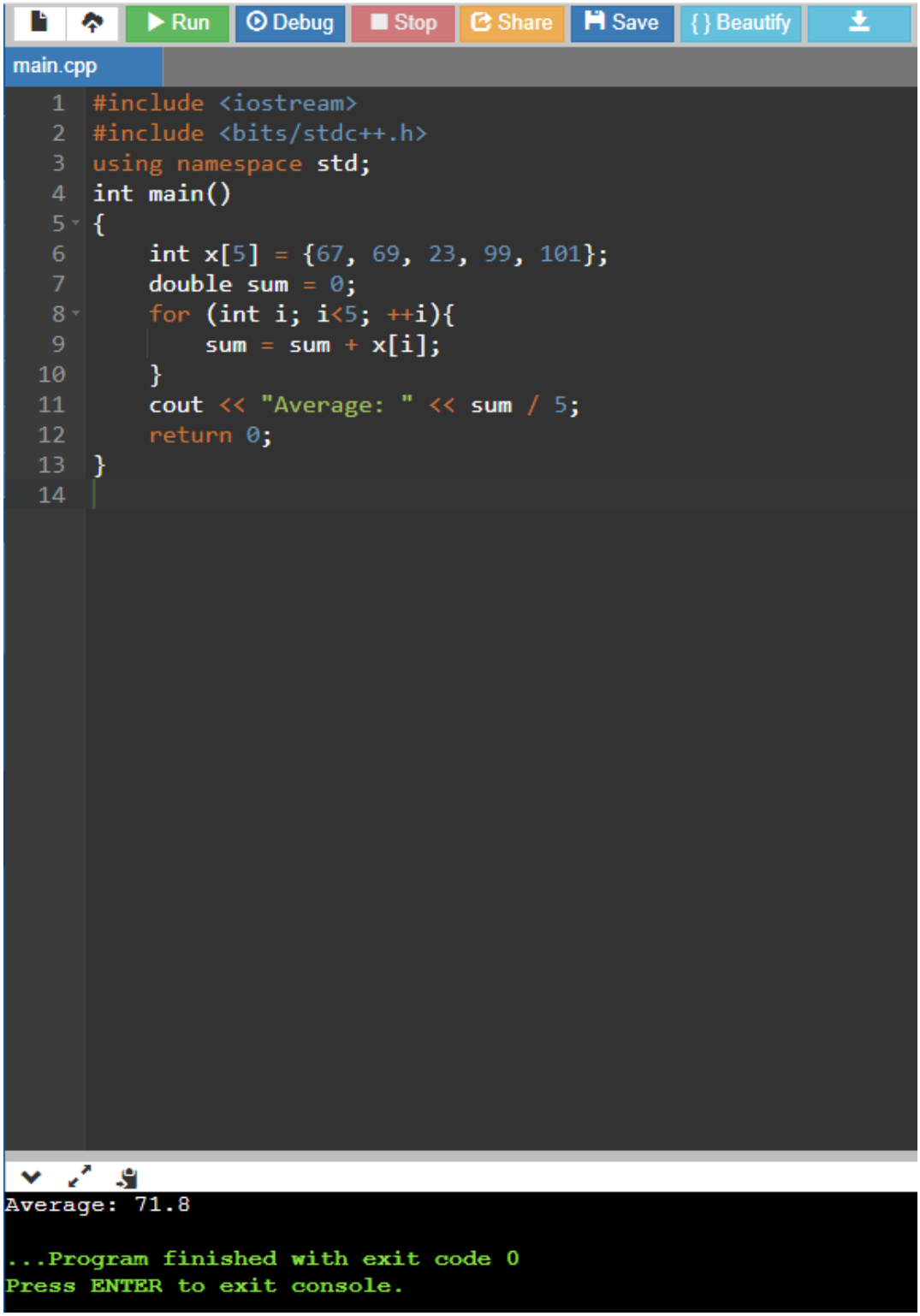
TASK 1


Run
Debug
Stop
Share
Save
{ } Beautify
main.cpp
#include <iostream>
#include <bits/stdc++.h>
using namespace std;
int main()
{
int x[5] = {67, 69, 23, 99, 101};
double sum = 0;
for (int i; i<5; ++i){
sum = sum + x[i];
}
cout << "Average: " << sum / 5;
return 0;
}
Average: 71.8
...Program finished with exit code 0
Press ENTER to exit console.

Task 2

main.cpp

```cpp
#include <iostream>
#include <bits/stdc++.h>
using namespace std;
int main(){
    int min, temp;
    int x[5] = {69, 67, 23, 99, 101};
    for (int k; k <5 ; ++k){
        cout << x[k] << "\t";
    }
    cout << endl;
    for (int i = 0; i<5; ++i){
        for (int j = 0; j < 4; ++j){
            if (x[j] > x[j+1]){
                temp = x[j];
                x[j] = x[j+1];
                x[i] = temp;
            }
        }

    }
    for (int k; k <5 ; ++k){
        cout << x[k] << "\t";

    }
    return 0;
}
```

```
69      67      23      99      101
23      23      67      99      101

...Program finished with exit code 0
Press ENTER to exit console.
```

TASK 3

main.cpp

```cpp
#include <iostream>
#include <bits/stdc++.h>
using namespace std;
int main(){
    int min, temp;
    int x[5] = {69, 67, 23, 99, 101};
    for (int k; k <5 ; ++k){
        cout << x[k] << "\t";
    }
    cout << endl;
    for (int i = 0; i<5; ++i){
        min = x[i];
        for (int j = i; j < 4; ++j){
            if (min > x[j]){
                min = x[j];
                x[j] = x[i];
                x[i] = min;
            }
        }

    }
    for (int k; k <5 ; ++k){
        cout << x[k] << "\t";

    }
    return 0;
}

```

```
69      67      23      99      101
23      67      69      99      101

...Program finished with exit code 0
Press ENTER to exit console.
```