

Class task : array

Class task # 1:

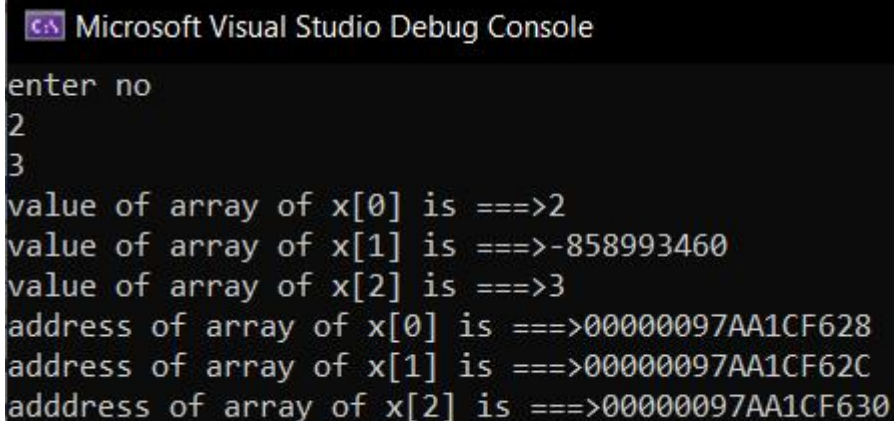
Source code:

```
#include<iostream>
using namespace std;
int main()
{
    cout << "enter no\n";

    int x[3]; //3 denote size
    cin >> x[0]; //indexing \\subscript\\
    cin >> x[1];
    cin >> x[2];
    cout << "value of array of x[0] is ==>" << x[0] << endl;
    cout << "value of array of x[1] is ==>" << x[1] << endl;
    cout << "value of array of x[2] is ==>" << x[2] << endl;
    cout << "address of array of x[0] is ==>" << &x[0] << endl;
    cout << "address of array of x[1] is ==>" << &x[1] << endl;
    cout << "address of array of x[2] is ==>" << &x[2] << endl;

    return 0;
}
```

Output:



```
Microsoft Visual Studio Debug Console
enter no
2
3
value of array of x[0] is ==>2
value of array of x[1] is ==>-858993460
value of array of x[2] is ==>3
address of array of x[0] is ==>00000097AA1CF628
address of array of x[1] is ==>00000097AA1CF62C
address of array of x[2] is ==>00000097AA1CF630
```

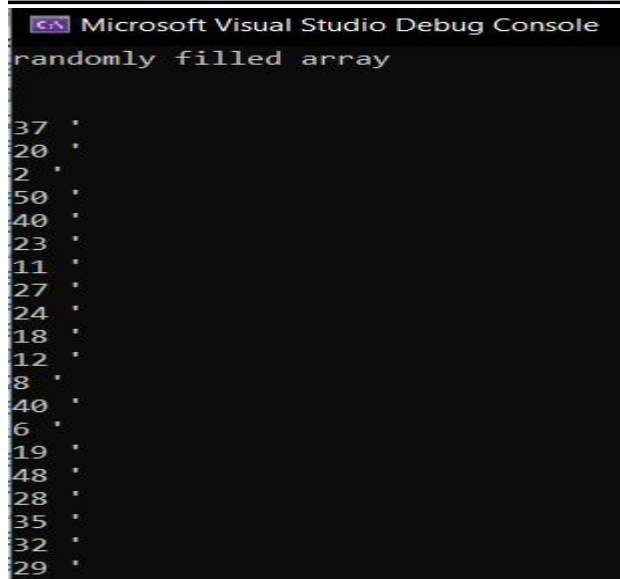
Class task # 2:

Source code:

```
#include<iostream>
using namespace std;
void filled_array(int ar[], int SIZE);
void print_array(int[], int SIZE);
const int SIZE = 20;
int main()
{
    srand(time(0));
    int x[SIZE]; //3 denote size of
    cout << "randomly filled array " << endl;
    for (int index = 0; index <= SIZE; ++index)
    {
        x[index] = (rand() % 50) + 1;
    }
    cout << "\n\n";
    for (int index = 0; index < SIZE; ++index)
    {
        cout << x[index] << " "; //indexingb //subscript//
        cout << "\n";
    }

    void filled_array(int y[], int s)
    {
        for (int index = 0; index < s; ++index)
        {
            y[index] = (rand() % 50) + 1;
        }
    }

    void print_array(int z[], int size){
        {
            for (int index = 0; index < size; ++index)
                cout << z[index] << " "; //indexingb //subscript//
            cout << "\n";
        }
    }
}
```



Microsoft Visual Studio Debug Console

randomly filled array

37
20
2
50
40
23
11
27
24
18
12
8
40
6
19
48
28
35
32
29