

## CS360L-(E) WEEK 4 Assignment

Note:

Homework should contain :

- **source file** (.cpp)
- **Word / pdf file**. Include your **code** and the snapshot of your **output**.
- **Zip** files to submit in your portal.

Format example: **CS360L(E)\_Week1\_12345\_name.zip**

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**Q1:** Create a function **sum()** to get the sum from 1 to 10.

**Output Sample:**

The sum is: 55

```
#include <iostream>
using namespace std;

void f(int i,int y );

int main()
{
    f(1,0);
    system("pasue");
}

void f(int i, int y)
{
    while (i <= 10)
    {
        y += i;
        i++;
    }
    cout << "The sum is: " << y << endl;
};
```

**Q2:** Write a function **square()** to print the following pattern of squares of

the numbers 1-10:

ans :

```
#include <iostream>
using namespace std;
```

```
void square ()
```

```
{
```

```
    int i;
```

```
    int squares;
```

```
    cout<< " a\t a*a \n " ;
```

```
    for(int i = 1; i <= 10; i = i + 1)
```

```
    {
```

```
        squares = i * i;
```

```
        cout << "\n" << i << "\t " << squares << endl;
```

```
    }
```

```
}
```

```
int main ()
```

```
{
```

```
    square ();
```

```
    // void function example
```

```
    #include <iostream>
```

```
    using namespace std;
```

```
    void square ()
```

```
    {
```

```
        int i;
```

```
        int squares;
```

```
        cout<< " a\t a*a \n " ;
```

```
        for(int i = 1; i <= 10; i = i + 1)
```

```
        {
```

```
            squares = i * i;
```

```
            cout << "\n" << i << "\t " << squares << endl;
```

```
        }
```

```
    }
```

```
}
```

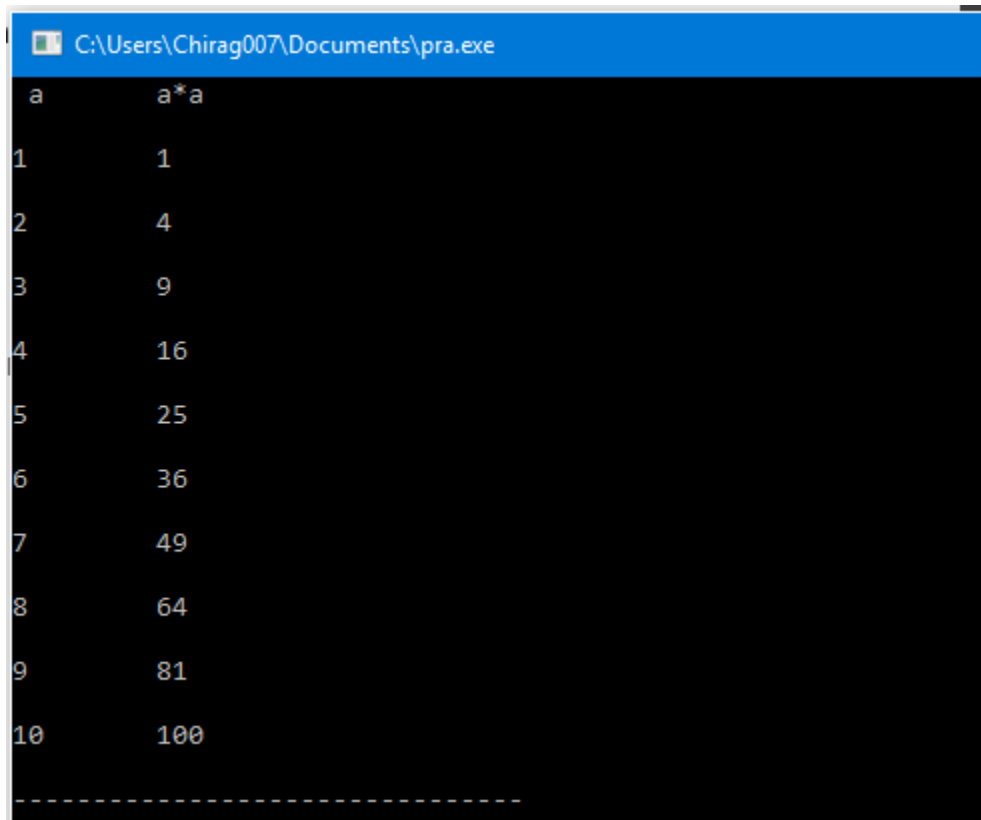
```
int main ()
```

```
{
```

```
    square ();
```

```
}
```

```
}
```



The screenshot shows a Windows command prompt window with the title bar "C:\Users\Chirag007\Documents\pra.exe". The window has a black background with yellow text. The output is as follows:

a	a*a
1	1
2	4
3	9
4	16
5	25
6	36
7	49
8	64
9	81
10	100

-----

screenshot

:

**Q3:** Write a function **printInfo()** that prints your Name, Student ID , Class

Section, city, state and zip. Should be in the following pattern:

Student Information:

Name: Jack

Student Id: 12345

Class: CS360L-E

City: Fremont

State: CA

Zip: 94539

#include

<iostream>

using

```
namespace std;

void printfinfo()
{

    string name =
"chirag solnaki";
    string id =
"15035";
    string Class =
"CS360 - E ";
    string city =
"fremont ";
    string state =
"CA ";
    string zip =
"94539";

    cout <<
"Name : " <<
name<< "\n" <<
endl;
    cout <<
"Student id : "
<< id << "\n "
<<endl;
    cout << "Class:
" <<Class <<
"\n"<<endl;
    cout << "city:
" << city << "\n"
<<endl;
    cout <<
```

```

"State: " <<state
<< "\n" <<endl;
    cout << "Zip:
"<<zip << "\n"
<< endl;

}

```

```

int main () {

    cout <<
"student
information : \n
" << endl;

```

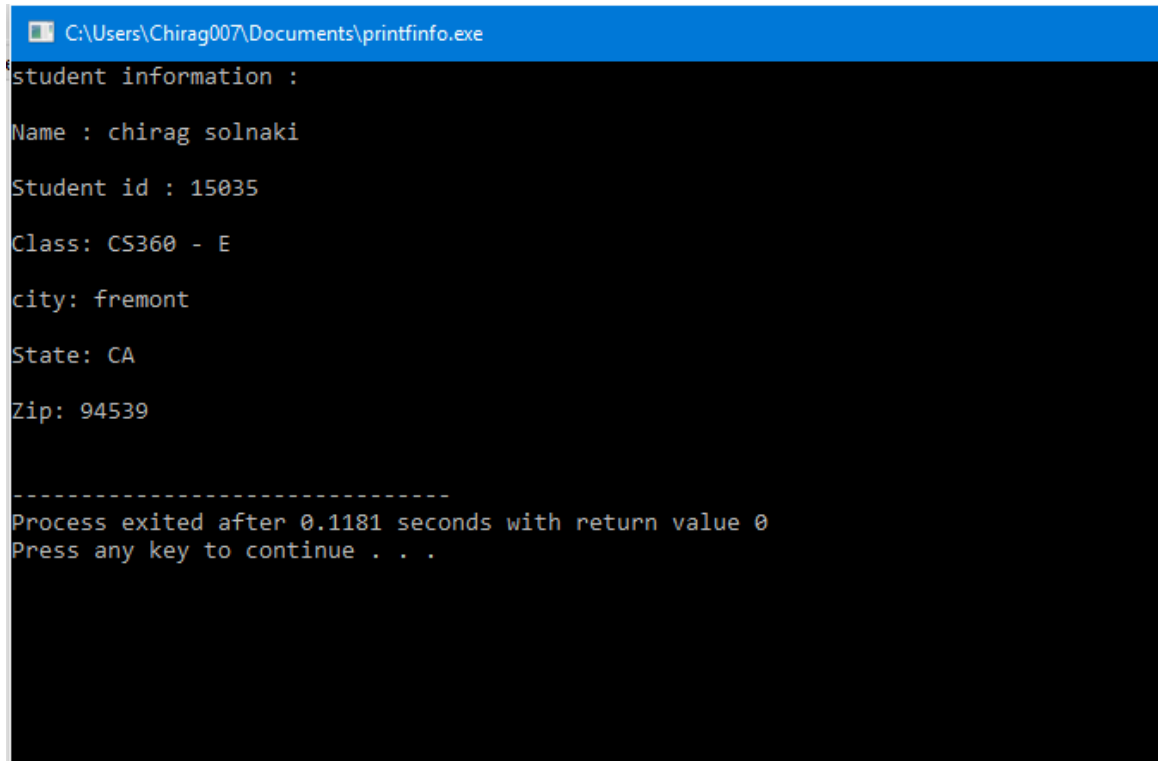
```

3  using namespace std;
4
5  void printfinfo() {
6
7
8      string name = "chirag solnaki";
9      string id = "15035";
10     string Class = "CS360 - E ";
11     string city = "fremont ";
12     string state = "CA ";
13     string zip = "94539";
14
15     cout << "Name : " << name<< "\n" << endl;
16     cout << "Student id : " << id << "\n " <<endl;
17     cout << "Class: " <<Class << "\n"<<endl;
18     cout << "city: " << city << "\n" <<endl;
19     cout << "State: " <<state << "\n" <<endl;
20     cout << "Zip: " <<zip << "\n" << endl;
21
22 }
23
24
25 int main () {
26
27     cout << "student information : \n " << endl;
28
29     printfinfo();
30
    printfinfo();

```

}

output :



```
C:\Users\Chirag007\Documents\printfinfo.exe
student information :
Name : chirag solnaki
Student id : 15035
Class: CS360 - E
city: fremont
State: CA
Zip: 94539

-----
Process exited after 0.1181 seconds with return value 0
Press any key to continue . . .
```