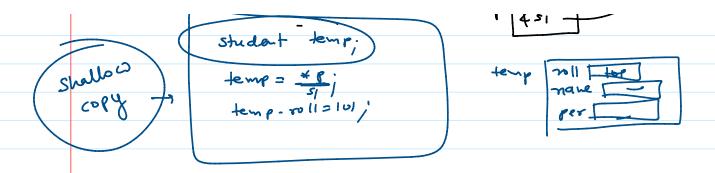
```
Day 7
12 April 2024 01:03 PM
 function of structure -
#include<iostream>
#include<string>
using namespace std;
struct student
   int roll;
   char name[20];
   float per;
};
student input()
   student temp;
   cin>>temp.roll;
   cin.ignore();
   cin.getline(temp.name, 20);
   cin>>temp.per;
   return temp;
void output(student s)
   cout<<s.roll<<"\t"<<s.name<<'\t'<<s.per<<endl;</pre>
int main()
   student s1,s2;
   cout<<"Enter roll name and per of a student:";</pre>
   s1=input();
   cout<<"Enter roll name and per of a student:";</pre>
   s2=input();
   output(s1);
   output(s2);
   return 0;
  pointer
                         structure ...
                  student si;
                                                        SI
                                                             1100
                    51. roll = 101; - object to metales,
                 student * P = 451;
                                                           451
```



```
(xp). roll = 101; pointer to member

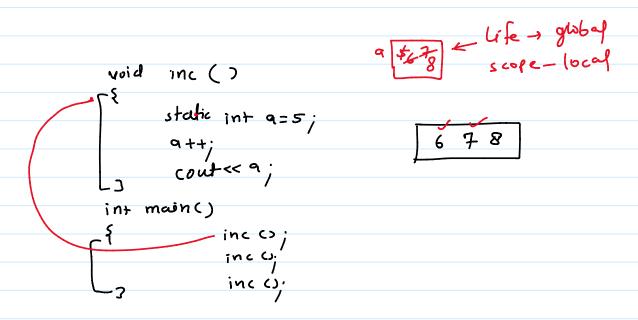
(xp) roll = 101;

P-> roll = 101;
```

```
#include<iostream>
#include<string>
using namespace std;
struct student
{
    int roll;
    char name[20];
    float per;
};
void input(student *p)
    cin>>p->roll;
    cin.ignore();
    cin.getline(p->name,20);
    cin>>p->per;
void output(student s)
    cout<<s.roll<<"\t"<<s.name<<'\t'<<s.per<<endl;</pre>
int main()
{
    student s1,s2;
    cout<<"Enter roll name and per of a student:";</pre>
    input(&s1); //call by address
    cout<<"Enter roll name and per of a student:";</pre>
    input(&s2);
```

output(s1);

```
output(s2);
      return 0;
  }
#include<iostream>
#include<string>
using namespace std;
struct student
    int roll;
    char name[20];
    float per;
};
void input(student &p)
{
    cin>>p.roll;
    cin.ignore();
    cin.getline(p.name, 20);
    cin>>p.per;
void output(student s)
    cout<<s.roll<<"\t"<<s.name<<'\t'<<s.per<<endl;</pre>
int main()
{
    student s1,s2;
    cout<<"Enter roll name and per of a student:";</pre>
                     //call by reference
    input(s1);
    cout<<"Enter roll name and per of a student:";</pre>
    input(s2);
    output(s1);
    output(s2);
    return 0;
}
          (storage class)
            inc ()
    د ـ
   in+ main()
```



typedef int chinty.

class & object: suser defined data type

class student

private: 

int roll;

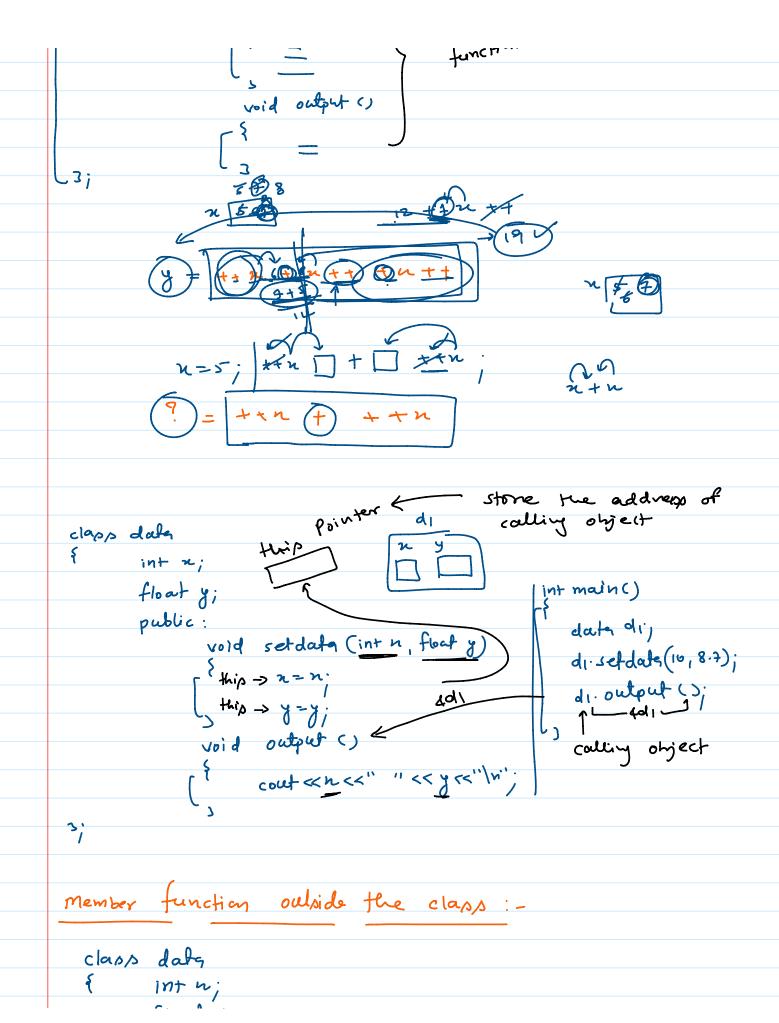
char name[10];

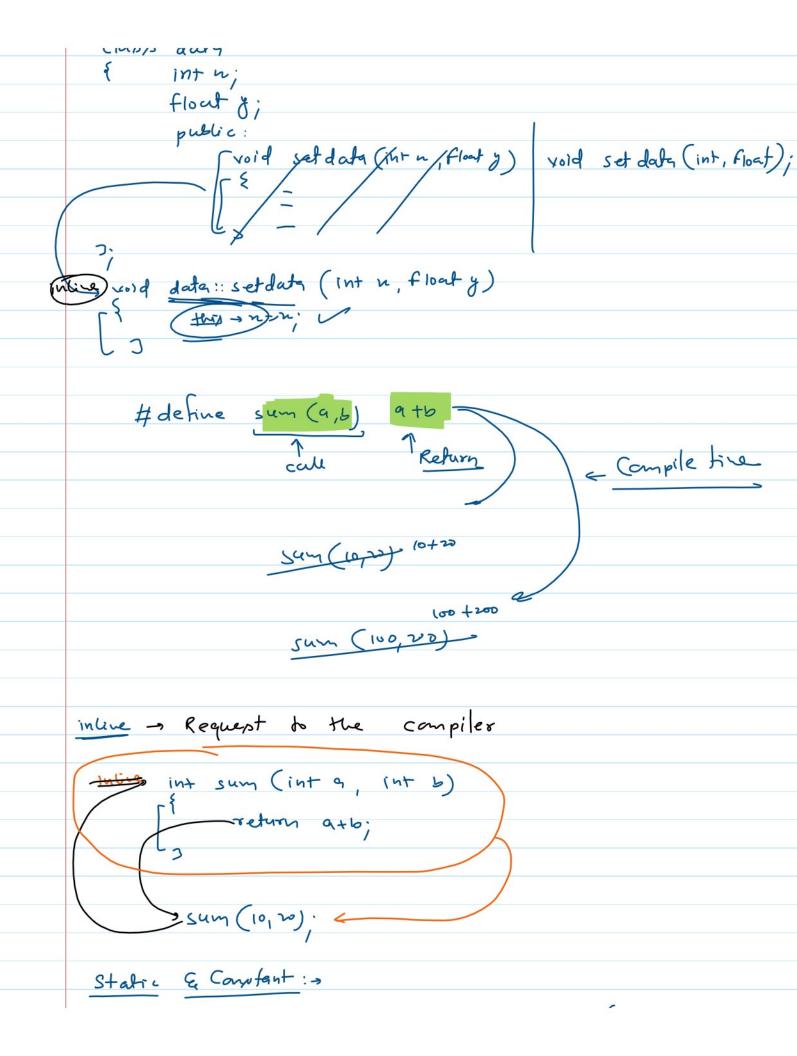
public:

void input ()

member

function





```
claps data

claps data

public:

Int n;

static int y; Static member (member of claps)

static int y; Mariable

int data di;

data di;

data di;

di n = 100;

di y = 200;

di y = 200;

data : n = 100;

data : n = 100;

data : n = 100;

data : y = 2000;

data : y = 2000;
```

```
#include<iostream>
using namespace std;
class data
    int x;
    int y;
    public:
        data(int x=0, int y=0)
           this->x=x;
           this->y=y;
        void fun1() //instance member function
           x=10;
           y=20;
        static void fun2() //static function
           //x=100;
            //y=200;
            data temp;
           temp.x=100;
        void output() const //constant function
            //a=100; error
            cout<<x<<' '<<y<<endl;</pre>
        }
```

```
};
//int data::y;
int main()
{
    data d1;
    d1.fun1();
    d1.output();
    const data d2(100,200);
    //d2.fun1();
    d2.output();
}
```