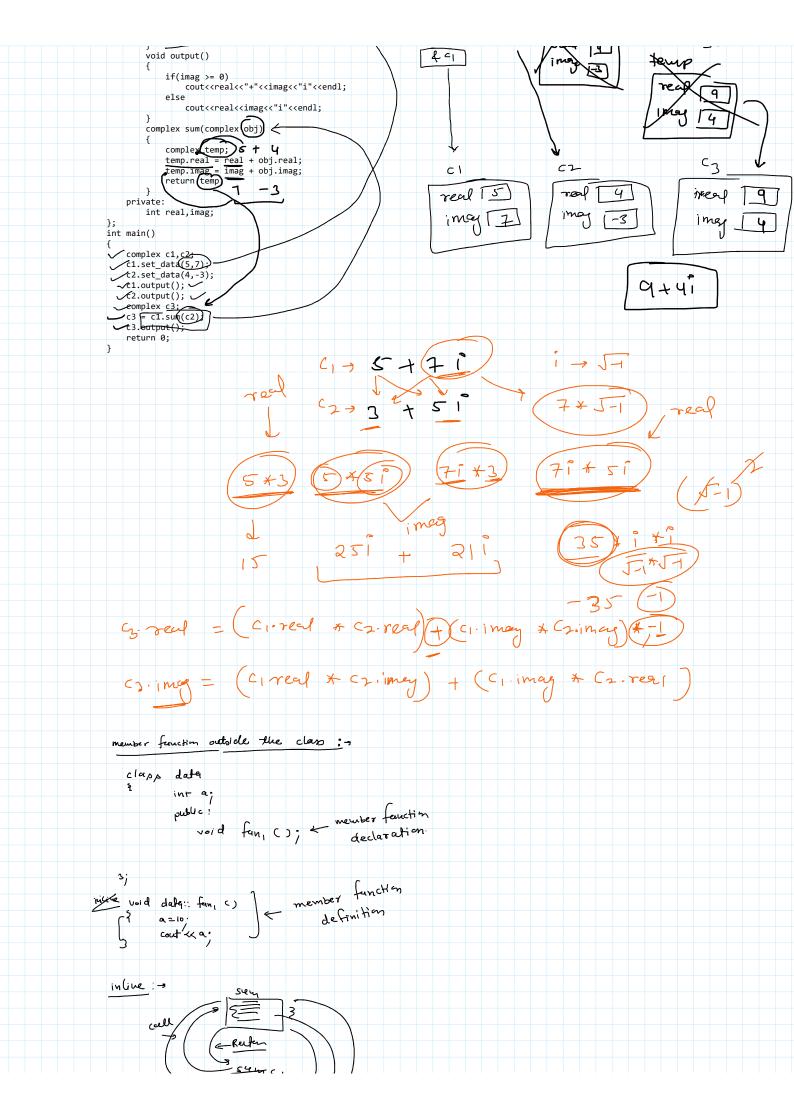


```
pnntf () e pre defined
                                                                  pre define
                                                      C++
                                                                     object
                                                     cout
                                                                  (ostream
                                                                pre defined
                                                     cin
                                                                   object
                                                             classistram
                cout << "Hello";
                cin >> a

f
(Extraction of)
#include<stdio.h>
int x;
void inc()
{
      static int a=5;
      a++;
      printf("%d ",a);
int main()
{
      inc();
      inc();
      inc();
      inc();
      return 0;
}
#include<iostream>
using namespace std;
class data{
   public:
       void set_data()
{
           a=10;
           b=7.5;
        void set_data2(int x, float y)
           a=x;
b=y;
        void get_data()
           cout<<"Enter int value:";
           cin>>a;
cout<<"Enter float value:";</pre>
           cin>>b;
        void output()
           cout<<a<<" "<<b<<endl;
    private:
int a;
float b;
};
int main()
    data d1,d2;
   // d1.a=10;
d1.set_data2(200,62.51);
   d1.output();
d2.set_data2(100,75.25f);
   d2.set_data2(I)
d2.output();
data d3;
d3.get_data();
d3.output();
return 0;
    This pointer
                                                          of calling
                               - store address
                                         object
     class duts
              int a
```

```
class duts
                                       int main () dype
                                             date dig
      ent a;
      public:
            void set duta (int x)
                                             dischalation);
 #include<iostream>
 using namespace std;
 class data{
      public:
          void set_data(int a, float b)
               this->a=a;
               this->b=b;
          void output()
           {
               cout<<a<<" "<<b<<endl;</pre>
          }
      private:
          int a;
           float b;
 };
 int main()
      data d1,d2;
      // d1.a=10;
      d1.set_data(200,62.51);
      d1.output();
      return 0;
 }
  Complex class:
     class complex {
              int real;
              int mas;
           public:
                 void set data (int +, int i)
                 void output ()
                    if(imay >=0) ~
                     cout « real << "+" << 'may <<" i" ;
                      cout << red << imay < < " i " < cend);
 #include<iostream>
 using namespace std;
class complex{
   public:
        void set_data(int r, int i) <
          real = r:
imag = i;
                                                        thip
                                                                      نطه
                                                                               Decl
        void output()
           if(imag >= 0)
              cout<<real<<"+"<<imag<<"i"<<endl;</pre>
```



```
#include<iostream>
using namespace std;
class Array{
int arr[10];
     int n;
public:
           void get_data()
                cout<<"Enter number of elements:";</pre>
                cin>>n;
                //input
for(int i=0 ; i<n ; i++)
                     cout<<"Enter value of "<<i+1<<" element:";</pre>
                     cin>>arr[i];
                }
           void output()
                for(int i=0;i<n;i++)</pre>
                     cout<<arr[i]<<" ";
                cout<<endl;
           void reverse()
                for(int i=0,j=n-1; i<j; i++,j--)
                     swap(arr[i],arr[j]);
                }
           int size()
                return n;
          }
};
int main()
     Array a1,a2;
     a1.get_data();
a2.get_data();
a1.output();
     a2.output();
     a1.reverse();
     a1.output();
     cout<<a1.size();
#include<iostream>
#include<string.h>
using namespace std;
class MyString{
    char str[100];
    public:
          void get_data()
                cout<<"Enter a string:";</pre>
                //cin>>str;
cin.getline(str,100);
           void output()
                cout<<str<<endl;</pre>
           MyString sum(MyString obj)
                MyString temp;
                strcpy(temp.str,str);
strcat(temp.str,obj.str);
return temp;
};
int main()
     MyString s1,s2,s3;
     s1.get_data();
s1.output();
```

```
s2.get_data();
       s2.output();
s3 = s1.sum(s2);
       s3.output();
       return 0;
                                                              string.h
   pre defined string class
              # include < string > object

string $1,52,53
 #include<iostream>
 #include<string>
 using namespace std;
 int main()
 {
       string s1;
       cout<<"Enter a string:";</pre>
       // cin>>s1;
       getline(cin,s1);
       cout<<s1;
       return 0;
 }
#include<iostream>
#include<string>
using namespace std;
int main()
   string s1;
cout<<"Enter a string:";
// cin>>s1;
    getline(cin,s1);
    cout<<s1<<endl;
    // cout<<s1.size()<<endl;</pre>
    cout<<s1.length()<<endl;</pre>
    string s2;
   s2=s1;
s2="abcd";
    s1.clear();
   s1.empty();
s1.push_back('R');
    s1.pop_back();
    return 0;
}
```