22-06-2024 Admin Henry of many nous Differences between malloci, & new the only over prince malloc () new winds a district SYNTAX:- 1 WILLIAM SYNTAX >-(int \*) mallor (size of (int)) new int -> new automatically calculates -> malloc commot carry calculate eize of Satutype, so no need size of the datatype, so it of size of operator needs size of operator to calculate size of dutatype -> new returns current type -> malloc returns void points so no need of pointer so it meds Typecating · Typewing -> tot is an operator -> It's a function () in C in plant will Using namespace stil; # include < iostroam > main () int \*p; p = now int; ni (1917) Allini cout << center m ACTIVE METALES un > p \* p; the state of the state of cout << \* p; property of the contraction

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A:- Add of Complex numbers
- using mamapace std;
 # include 2 i ostream >
                                               prints ed
  class complete
                                               Limpour cho
                                 שמרת.
   brivate: int a, b;
   public: void get ()
                               Abed con
              f 'cout << "enter a, b: "; e
              void add (camplen *p, complex * a)
              a=p > a+q > a;
              p= 6 > p+ d > p;
              void display ()
               cout << 1< "+i" << b;
 main ()
    complex *p, *a, *n;
     P= new complex ();
     ar= new complex c);
     21 = new complex ();
     p-> get (); q-> get(); n-> add (p, ar); n-> display ();
```

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OPERATOR OVERLOADING =>
-> using namespace its;
    # initial < i petream >
    class complex
      private: int a, b;
       public: void get ()
                     cout ce "enter a, b:
                     (in >> 1 >> b)
                complexe operator + (complex a)
                complex it;
                n. a = a + q. a; h. b = b + q. b;
                return is;
                void display ()
                  und << a << "+i" << b;
     main ()
      complex p, a, r;
       p-get (); q-get (); n=p+q;
        or display ();
       int a = 5 + 2;
        cout << 11'
```