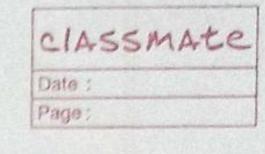


Abject Driented Crogramming (OOP) - Cractical Number - 3 (Group - A) Name: Houstuck Shrikart Stabra Class: - Second Jear Engineering. Div: - A Roll Number: - Batch: - Department: - Lompater Department. Lollege: - AISSMS S TOIT.
Title:- Arithmetic operations on complex number using operator overloading.
Abjective: 1. To understand operator overloading overloading, constructor and data hiding. 2. To demonstrate overloading of binary operator, insertion and extraction operator.
Broblem Statement:- Implement a class lomplex which represent the lomplex Number data type. Implement the following operations:- 1. Constructor 2. Everlosed operator + to sadd two complex number. 3. Everlosed operator * to multiply two complex number. 4. Everlosed = and >> to print and read complex number.
4. Averload = and >> to of print and read complex number. Outcomes:- 1) Student will be all to demonstrate use of constructor.



2) Student will be able to demonstrate binary operator overloading.

3) Student will be able to demonstrate Toverloading of ansertion and extraction operator using friend function. Aurdioner requirement:
Any CPO with Perlium Brocessor or similar, 256 MB RAM or

mod, 19B School Drisk or more. softwar requirement: 64 bit Linux/ Windows Grerating System, G++ compiler. Orerquisit: -Object Oriented Concepts. erator therbading-What it means is relation to class to which the operator alled this is done with the help of a special functions, called function. The unary operators operate on a single operand following are example of wary operators: - 1) Increament (++)

2) Decreament (-) Urary minus (-)

Date: Page:	
Test lase:	
arter real and ing fart of 1st comprise number.	
Enter real and ing part of 2nd complex number:	
1) Addition 2) Subtraction	
3) Multiplication. 4) Division	
5) Exit. Enter your choice: 1.	
Addition of complex numbers are: 10+12i.	
Enter your choic: - 23.	
Multiplication of complex numbers are: 11 + 58i	
Enter your choise: - 5.	
Thank You.	
Conclusion:-	
operator overloading and insertion extraction operator overloding wing friend function	