

VIT - Vellore

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BCSE102P_Structured and Object Oriented Programming Lab_VL2024250502365

VIT V_Structured and OOP_Lab 7_COD_Medium_Operator Overloading

Attempt : 1

Total Mark : 10

Marks Obtained : 10

Section 1 : Coding

1. Problem Statement

Maria is developing a program to manage student records, with a specific focus on weight tracking. She has created a class named Student that represents student information and allows for the incrementing (++) of a student's weight by 1 kg through operator overloading with the friend function named operator.

Assist her in completing the program.

Answer

```
// You are using GCC
#include<iostream>
#include<iomanip>
```

```
using namespace std;
```

```
class Student{  
    public:  
    int a;  
    double w;  
    Student(int x,double y){  
        a=x;  
        w=y;  
    }  
    void operator ++() {  
        ++w;  
    }  
    void display(){  
        cout<<fixed<<setprecision(2)<<a<<" "<<w<<endl;;  
    }  
};
```

```
int main(){  
    int x;  
    double y;  
    cin>>x;  
    cin>>y;  
    Student s(x,y);  
    s.display();  
    ++s;  
    s.display();  
    return 0;  
}
```

Status : Correct

Marks : 10/10