

C++ LAB EVALUATION -3

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QUESTION 1:- IMPLEMENT USER TO USER CONVERSION

// USER TO USER TYPE-CONVERSION

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
class item
```

```
{
```

```
private:
```

```
int a,b;
```

```
public:
```

```
void geta(int x)
```

```
{
```

```
    a=x;
```

```
}
```

```
void getb(int y)
```

```
{
```

```
    b=y;
```

```
}
```

```
void showitem()
```

```
{
```

```
    cout<<endl<<"---ITEM CLASS---";
```

```
    cout<<endl<<" a= "<<a<<" b= "<<b;
```

```
}
```

```
};
```

```
class product
```

```
{
```

```
private :
```

```
int m,n;
```

```
public:
```

```
void getproduct(int x, int y)
```

```
{
```

```
    m=x;
```

```
    n=y;
```

```
}
```

```
void showproduct()
```

```
{
```

```
    cout<<endl<<"---PRODUCT CLASS---";
```

```
    cout<<endl<<" m= "<<m<<" n= "<<n;
```

```
}
```

```
operator item()
```

```
{
```

```
    item temp;
```

```
    temp.geta(m);
```

```
    temp.getb(n);
```

```
    return(temp);
```

```

}
};
void main()
{
    item i;
    product p;
    clrscr();
    p.getproduct(100,200);
    p.showproduct();
    i=p;
    cout<<endl<<"AFTER TYPE CONVERSION";
    i.showitem();
    getch();
}

```

QUESTION 2) OVERLOAD >= (BINARY) OPERATOR

//OVERLOADING >= BINARY OPERATOR

```

#include<iostream.h>
#include<conio.h>
class greaterequal
{
    int x;
public:
    void getdata(int a)
    {
        x=a;
    }
    void showdata()
    {
        cout<<endl<<"x= "<<x;
    }
    int operator>=(greaterequal o2)
    {
        if(x>=o2.x)
            return 1;
        else
            return 0;
    }
};
void main()
{
    greaterequal ob1,ob2;
    clrscr();
    ob2.getdata(200);
    ob1.getdata(500);
    if(ob2>=ob1)
    {
        cout<<" ob2 is greater with value : ";
        ob2.showdata();
    }
}

```

```
else
{
cout<<" ob1 is greater with value : ";
ob1.showdata();
}
getch();

}
```