

PRACTICAL-C.A-2

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SECTION: - D2215
GROUP: - 2

//Write a code to apply the concept of multilevel inh. in case of employee database.

```
#include<iostream>
using namespace std;
class emp{
protected:
    char name[13];
    float salary;
};
class data:public emp{
public:
    void readData()
    {
        cout<<"Employee Name: ";
        cin>>name;
        cout<<"\nSalary: ";
        cin>>salary;
    }
};
class cal_sal:public data{
private:
    float net_salary,tax_amount,hra_amount,da_amount;
    int tax=0,hra=0,da=0;
public:
    void calculate()
    {
        if(salary<10000){
            tax=10;
            hra=4;
            da=1;
        }
    }
}
```

```

else if(salary>=10000 && salary<30000){
    tax=15;
    hra=5;
    da=2;
}
else if(salary>=30000 && salary<50000){
    tax=20;
    hra=10;
    da=5;
}
else{
    tax=25;
    hra=15;
    da=7;
}
da_amount=(salary*da)/100;
hra_amount=(salary*hra)/100;
tax_amount=(salary*tax)/100.0;
net_salary=salary+hra_amount+da_amount-tax_amount;
}
void displayData()
{
    cout<<"Name: "<<name<<endl;
    cout<<"Salary: "<<salary<<endl;
    cout<<"Tax: "<<tax<<"%"<<endl;
    cout<<"hra: "<<hra<<"%"<<endl;
    cout<<"da: "<<da<<"%"<<endl;
    cout<<"Tax Amount: "<<tax_amount<<endl;
    cout<<"Hra Amount: "<<hra_amount<<endl;
    cout<<"da_amount: "<<da_amount<<endl;
    cout<<"net_salary: "<<net_salary<<endl;
}
};
int main(){

    cal_sal e;
    e.readData();
    e.calculate();
    e.displayData();
    return 0;
}

```

OUTPUT 

```

Employee Name: Ekhlakh

Salary: 80000
Name: Ekhlakh
Salary: 80000
Tax: 25%
hra: 15%
da: 7%
Tax Amount: 20000
Hra Amount: 12000
da_amount: 5600
net_salary: 77600

```