**CAP 445: OBJECT ORIENTED PROGRAMMING USING C++ LABORATORY**

**PRACTICAL-C.A-2**

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**//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;

**OUTPUT**

cout<<"net\_salary: "<<net\_salary<<endl;

}

};

int main(){

cal\_sal e;

e.readData();

e.calculate();

e.displayData();

return 0;

}