Define a class Hotel in C++ with the following specifications

Private members

\* Rno Data member to store room number

\* Name Data member to store customer name

\* Tariff Data member to store per day charges

\* NOD Data member to store number of

days of stay

\* CALC() Function to calculate and return amount as NOD\*Tariff ,and if the value

of days\* Tariff >10000, then total amount is 1.05\* days\*Tariff.

Public members

\* Checkin() Function to enter the content Rno, Name, Tariff and NOD

\* Checkout() Function to display Rno, Name, Tariff,

NOD and Amount (amount to be displayed by calling function) CALC().

**SOURCE CODE:**

#include<iostream>

using namespace std;

class hotel

{

     private:

    int rno;

    string name;

    float tariff;

    int nod;

    int calc()

    {

        int charges=nod\*tariff;

        if(charges>10000)

        {

            charges=charges\*1.05;

        }

        return charges;

    }

    public:

    void checkin(int rno,string name,float tariff,int nod)

    {

        this->rno=rno;

        this->name=name;

        this->tariff=tariff;

        this->nod=nod;

    }

    void checkout()

    {

        cout<<rno<<endl<<name<<endl<<tariff<<endl<<nod<<endl;

        cout<<calc()<<endl;

    }

};

int main()

{

    hotel d;

    d.checkin(201,"manya",1000,5);

    d.checkout();

}

OUTPUT:

