using System;

class Employee

{

public int baseSalary=0;

public int fuelAllowance=0;

public int medicalAllowance=0;

public Employee(int baseSalary, int fuelAllowance, int medicalAllowance)

{

this.baseSalary = baseSalary;

this.fuelAllowance = fuelAllowance;

this.medicalAllowance = medicalAllowance;

}

public int grossSalary()

{

return (int)(baseSalary\*12 + fuelAllowance + medicalAllowance);

}

}

class Engineer:Employee

{

public int annualAllowance = 0;

public Engineer(int baseSalary, int fuelAllowance, int medicalAllowance,int annualAllowance) : base(baseSalary, fuelAllowance, medicalAllowance)

{

this.annualAllowance = annualAllowance;

}

public int finalSalary()

{

return annualAllowance+this.grossSalary();

}

}

class Manager : Employee

{

public int tax = 0;

public Manager(int baseSalary, int fuelAllowance, int medicalAllowance, int tax) : base(baseSalary, fuelAllowance, medicalAllowance)

{

this.tax = tax;

}

public int finalSalary()

{ int basicSalary = this.baseSalary;

return this.grossSalary()-(tax\* basicSalary\*12 / 100);

}

}

class HR: Employee

{

public int telephoneAllowance = 0;

public HR(int baseSalary, int fuelAllowance, int medicalAllowance, int telephoneAllowance) : base(baseSalary, fuelAllowance, medicalAllowance)

{

this.telephoneAllowance = telephoneAllowance;

}

public int finalSalary()

{

int increment = telephoneAllowance\*(this.medicalAllowance+this.fuelAllowance)/100;

return this.grossSalary() + increment;

}

}

class SalarySlip

{

public string designation ="";

public SalarySlip(string designation)

{

if (designation =="Engineer")

{

Engineer salaryCount = new Engineer(1500,0,0,7000);

Console.WriteLine("Engineer Gross Salay is: "+ salaryCount.finalSalary());

}

else if (designation == "Manager")

{

Manager salaryCount = new Manager(1500, 250, 1000, 17);

Console.WriteLine("MAnager Gross Salay is: "+ salaryCount.finalSalary());

}

else if (designation == "HR")

{

HR salaryCount = new HR(1500, 150, 800, 10);

Console.WriteLine("HR Gross Salay is: "+ salaryCount.finalSalary());

}

}

}

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter number for designation: ");

Console.WriteLine("1: Engineer");

Console.WriteLine("2: Manager");

Console.WriteLine("3: HR");

string personDesignation ="";

int number = Convert.ToInt32(Console.ReadLine());

if (number==1)

{

personDesignation = "Engineer";

}

else if (number==2)

{

personDesignation = "Manager";

}

else if (number == 3)

{

personDesignation = "HR";

}

else

{

Console.WriteLine("Enter correct value: 1,2,3");

}

SalarySlip salaryCount = new SalarySlip(personDesignation);

Console.Read();

}

}