

## **PROGRAM: 5**

21-04-2019

## **PAYROLL MANAGEMENT SYSTEM**

### **Objective:**

Define an Employee class contains the following members:

Data Members: Employee Number, Employee Name, Basic, DA, HRA, gross\_sal, Net\_Sal. Member Functions: read\_data ()-to read data, calculate () - to calculate Net\_Sal, print\_data ()-to print data members. Write a C++ program to create 10 employee objects. Store data for n number of employees and compute the Net\_Sal of each employee (DA = 52% of Basic, HRA= 30% of Basic and Tax = 30% of the gross salary). Then display the data for each employee on the screen.

### **SOURCE CODE:**

```
#include<iostream.h>

#include<conio.h>

#include<stdio.h>

class employee
{private:
int EmployeeNumber;
char EmployeeName[10];
float Basic;
float DA;
float HRA;
float gross_sal;
float Net_Sal;
float incometax;
```

```
public:
void read_data()
{cout<<"\nENTER EMPLOYEE NUMBER: ";
cin>>EmployeeNumber;
cout<<"\nENTER EMPLOYEE NAME: ";
gets(EmployeeName);
cout<<"\nENTER EMPLOYEE'S BASIC SALARY: ";
cin>>Basic;
}
void calculate()
{DA=(0.52*Basic);
HRA=(0.30*Basic);
gross_sal=Basic+DA+HRA;
incometax=(0.30*gross_sal);
Net_Sal=Basic-incometax;
}
void print_data()
{cout<<"\nEMPLOYEE NUMBER: ";
cout<<EmployeeNumber;
cout<<"\nENTER EMPLOYEE NAME: ";
puts(EmployeeName);
cout<<"\nEMPLOYEE'S BASiC SALARY IS: ";
cout<<Basic;
```

```

cout<<"\nEMPLOYEE'S DA IS: ";
cout<<DA;
cout<<"\nEMPLOYEE'S HRA IS: ";
cout<<HRA;
cout<<"\nEMPLOYEE'S GROSS SALARYIS: ";
cout<<gross_sal;
cout<<"\nEMPLOYEE'S INCOME TAX IS: ";
cout<<incometax;
cout<<"\nEMPLOYEE'S NET SALARY IS: ";
cout<<Net_Sal;
}
};

void main()
{cout<<"\n\n\n=====Payroll Management
System=====";
employee emp[10];
int num;
cout<<"\n\n\nEnter the number of employee details you would like
to enter: ";
cin>>num;
if(num<=10)
{for(int i=0;i<num;i++)
{cout<<endl;

```

```
emp[i].read_data();  
emp[i].calculate();  
emp[i].print_data();  
}  
}  
else  
cout<<"\nERROR";  
getch();  
}
```

## Sample output:

```
C:\BC5\BIN\NONAME00.exe

=====Payroll Management System=====

Enter the number of employee details you would like to enter: 3

ENTER EMPLOYEE NUMBER: 1
ENTER EMPLOYEE NAME: rithika
ENTER EMPLOYEE'S BASIC SALARY: 100000
EMPLOYEE NUMBER: 1
ENTER EMPLOYEE NAME: rithika
EMPLOYEE'S BASIC SALARY IS: 100000
EMPLOYEE'S DA IS: 52000
EMPLOYEE'S HRA IS: 30000
EMPLOYEE'S GROSS SALARY IS: 182000
EMPLOYEE'S INCOME TAX IS: 54600
EMPLOYEE'S NET SALARY IS: 45400

ENTER EMPLOYEE NUMBER: 2
ENTER EMPLOYEE NAME: sowmya
ENTER EMPLOYEE'S BASIC SALARY: 90000
EMPLOYEE NUMBER: 2
ENTER EMPLOYEE NAME: sowmya
EMPLOYEE'S BASIC SALARY IS: 90000
EMPLOYEE'S DA IS: 46800
EMPLOYEE'S HRA IS: 27000
EMPLOYEE'S GROSS SALARY IS: 163800
EMPLOYEE'S INCOME TAX IS: 49140
EMPLOYEE'S NET SALARY IS: 40860

ENTER EMPLOYEE NUMBER: 3
ENTER EMPLOYEE NAME: sarika
ENTER EMPLOYEE'S BASIC SALARY: 50
EMPLOYEE NUMBER: 3
ENTER EMPLOYEE NAME: sarika
EMPLOYEE'S BASIC SALARY IS: 50
EMPLOYEE'S DA IS: 26
EMPLOYEE'S HRA IS: 15
EMPLOYEE'S GROSS SALARY IS: 91
EMPLOYEE'S INCOME TAX IS: 27.3
EMPLOYEE'S NET SALARY IS: 22.7
```

```
C:\BC5\BIN\NONAME00.exe

=====Payroll Management System=====

Enter the number of employee details you would like to enter: 76
ERROR
```