**JAVA APPLICATION FOR PAYROLLSLIP**

AIM:

To create a java console application to calculate the payment statement for programmer, asst.professor , asso.professor,prof.

Requirement:

To create package payroll,develop a java application with Employee class with emp\_name,emp\_id,address,mail\_id,mobile\_no as member.

Inherint the class, programmer, assistant professor associate professor and professor from Employee classs.

Add basicpay(BP) as the member of all the inherited classes with 97% of BP as DA, 10% of BP as HRA, 12% of BP as PF,0.1% of BP for staff club fun.generate payslip for the employee with their GROSS and NET SALARY

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| /\*\*JAVA program to calculate Salary |
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|  | \*/ |
|  | package Payroll; |
|  |  |
|  | public class AssistantProfessor extends Employee { |
|  | private double BasicPay; |
|  | public AssistantProfessor() |
|  | { |
|  | BasicPay=0; |
|  | } |
|  | public AssistantProfessor(String n,long id,String adr,String mail,long no,double bp) |
|  | { |
|  | super (n,id,adr,mail,no); |
|  | BasicPay=bp; |
|  | } |
|  | public void AssistantProfessor() |
|  | { |
|  | super.printEmployee(); |
|  | System.out.println("Basic Pay;"+BasicPay); |
|  | } |
|  | public void calculation() |
|  | {double DA,HRA,PF,STAFFCLUBFUND,GROSSSALARY,NETSALARY,DEDUCTION; |
|  | DA=0.97\*BasicPay; |
|  | HRA=0.1\*BasicPay; |
|  | PF=0.12\*BasicPay; |
|  | STAFFCLUBFUND=0.1\*BasicPay; |
|  | DEDUCTION=PF+STAFFCLUBFUND; |
|  | GROSSSALARY=BasicPay+DA+HRA; |
|  | NETSALARY=GROSSSALARY-DEDUCTION; |
|  | System.out.println("BasicPay:"+BasicPay); |
|  | System.out.println("GROSSSALARY:"+GROSSSALARY); |
|  | System.out.println("NETSALARY:"+NETSALARY); |
|  | } |
|  |  |
|  | } |

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| package Payroll; |
|  |  |
|  | public class AssociateProfessor extends Employee { |
|  | private double BasicPay; |
|  | public AssociateProfessor() |
|  |  |
|  | { |
|  | BasicPay=0; |
|  | } |
|  | public AssociateProfessor(String n,long id,String adr,String mail,long no,double bp) |
|  | { |
|  | super(n,id,adr,mail,no); |
|  | BasicPay=bp; |
|  | } |
|  | public void printEmployee() |
|  | { |
|  | super.printEmployee(); |
|  | System.out.println("BAsicPAy:"+BasicPay); |
|  | } |
|  | public void calculation() |
|  | {double DA,HRA,PF,STAFFCLUBFUND,GROSSSALARY,NETSALARY,DEDUCTION; |
|  | DA=0.97\*BasicPay; |
|  | HRA=0.1\*BasicPay; |
|  | PF=0.12\*BasicPay; |
|  | STAFFCLUBFUND=0.1\*BasicPay; |
|  | DEDUCTION=PF+STAFFCLUBFUND; |
|  | GROSSSALARY=BasicPay+DA+HRA; |
|  | NETSALARY=GROSSSALARY-DEDUCTION; |
|  | System.out.println("BasicPay:"+BasicPay); |
|  | System.out.println("GROSSSALARY:"+GROSSSALARY); |
|  | System.out.println("NETSALARY:"+NETSALARY); |
|  | } |
|  | } |
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| package Payroll; |
|  |  |
|  | public class AssociateProfessor extends Employee { |
|  | private double BasicPay; |
|  | public AssociateProfessor() |
|  |  |
|  | { |
|  | BasicPay=0; |
|  | } |
|  | public AssociateProfessor(String n,long id,String adr,String mail,long no,double bp) |
|  | { |
|  | super(n,id,adr,mail,no); |
|  | BasicPay=bp; |
|  | } |
|  | public void printEmployee() |
|  | { |
|  | super.printEmployee(); |
|  | System.out.println("BAsicPAy:"+BasicPay); |
|  | } |
|  | public void calculation() |
|  | {double DA,HRA,PF,STAFFCLUBFUND,GROSSSALARY,NETSALARY,DEDUCTION; |
|  | DA=0.97\*BasicPay; |
|  | HRA=0.1\*BasicPay; |
|  | PF=0.12\*BasicPay; |
|  | STAFFCLUBFUND=0.1\*BasicPay; |
|  | DEDUCTION=PF+STAFFCLUBFUND; |
|  | GROSSSALARY=BasicPay+DA+HRA; |
|  | NETSALARY=GROSSSALARY-DEDUCTION; |
|  | System.out.println("BasicPay:"+BasicPay); |
|  | System.out.println("GROSSSALARY:"+GROSSSALARY); |
|  | System.out.println("NETSALARY:"+NETSALARY); |
|  | } |
|  | } |
|  |  |

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| package Payroll; |
|  |  |
|  | public class Payslip { |
|  | public static void main(String[]args) { |
|  | Employee emp; |
|  | AssistantProfessor ast; |
|  | AssociateProfessor aso; |
|  | Professor Prof; |
|  | Programmer Prog; |
|  | emp=new Employee("Akhshy",212217006,"chennai","ak@gmail.com",95245436); |
|  | ast=new AssistantProfessor("faizul",212217016,"chennai","faizul@gmail.com",945744862,32000); |
|  | aso=new AssociateProfessor("karan",212217024,"chennai","karan@gmail.com",946894135,36000); |
|  | Prof=new Professor("bairavan",212217010,"chennai","mbairavan@gmail.com",923123457,38000); |
|  | Prog=new Programmer("sanjai",212217019,"chennai","sanjai@gmail.com",974123431,42000); |
|  | System.out.println("----------------------------------------------"); |
|  | emp.printEmployee(); |
|  | ast.calculation(); |
|  | ast.printEmployee(); |
|  | aso.calculation(); |
|  | aso.printEmployee(); |
|  | Prof.printEmployee(); |
|  | Prog.calculation(); |
|  | Prog.printEmployee(); |
|  |  |
|  |  |
|  |  |
|  | } |
|  | } |

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| package Payroll; |
|  |  |
|  | public class Programmer extends Employee{ |
|  | private double BasicPay; |
|  | public Programmer() |
|  | { |
|  | BasicPay=0; |
|  | } |
|  | public Programmer(String n,long id,String adr,String mail,long no,double bp) |
|  | { |
|  | super(n,id,adr,mail,no); |
|  | BasicPay=bp; |
|  | } |
|  | public void printEmployee() |
|  | { |
|  | super.printEmployee(); |
|  | System.out.println("BASIC PAY:"+BasicPay); |
|  | } |
|  | public void calculation() |
|  | {double DA,HRA,PF,STAFFCLUBFUND,GROSSSALARY,NETSALARY,DEDUCTION; |
|  | DA=0.97\*BasicPay; |
|  | HRA=0.1\*BasicPay; |
|  | PF=0.12\*BasicPay; |
|  | STAFFCLUBFUND=0.1\*BasicPay; |
|  | DEDUCTION=PF+STAFFCLUBFUND; |
|  | GROSSSALARY=BasicPay+DA+HRA; |
|  | NETSALARY=GROSSSALARY-DEDUCTION; |
|  | System.out.println("BasicPay:"+BasicPay); |
|  | System.out.println("GROSSSALARY:"+GROSSSALARY); |
|  | System.out.println("NETSALARY:"+NETSALARY); |
|  | } |
|  | } |