CHRISTU JYOTHI CONVENT SE. SEC SCHOOL

BARAUT

Computer Applications Project

TOPIC

SALARY SLIP OF AN EMPLOYEE OF A COMPANY

SUBMITTED BY:

Name   :

CLASS   : Xth

SECTION: B

ROLL NO.:

SESSION : 2020-21

SUBMITTED TO:

Mrs. Deepa Rani

ACKNOWLEGDEMENT

A single footstep will not make a path for us and so as in preparing this project. Our School Management, Principal Sr. Mercy, class teacher ……………… and our Computer Applications' teacher Mrs. Deepa helped us in preparing this project, by giving their special guidance in one or the other way.

It is effort of us all that today we are able to make this helpful project. I am really thankful to them all.

Our project contains various features and functions of JAVA. It will be helpful to the user to understand the project and its components such as use of loops, methods, if else etc. Easy language and simple grammar is used in the project for better understanding.

THANK YOU.

CERTIFICATE

I, ………………………….. of class 10th …….., do hereby certify that this project made by me is user friendly project. I tried my level best to make this project simple, as at the standard of a 10th class student, under the supervision of my teacher Mrs. Deepa. Our school Christu Jyothi Convent Sr. Sec. School had given us the opportunity to make this project.

SUBMITTED BY: ……………………

CLASS: Xth

SUBMITTED TO: Mrs. DEEPA MAM

THANK YOU.

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PROBLEM DESCRIPTION

- This project deals with the concept of the MANAGEMENT OF SALARY OF AN EMPLOYEE, made using JAVA programming language.When one executes the program he/she has to enter his/her required details such as:-

- Employee,s full name

- His/Her designation/post

- No. of days he/she attended

- Employee's address

- and gender

On full filling the criteria, the program executes and calculates the HRA, DA, PF on the basis of the basic salary the employee receives. The employee is also entitled to pay tax if his/her salary exceeds 20,000.

Besides, the employee is also rewarded for his/her regularity in the office.

HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIRREMENTS

- MONITOR   – to view the output.
- C.P.U   -to process the information.
- MOUSE   -to select options.
- KEYBOARD -to input information.

SOFTWARE REQUIREMENTS

- BlueJ – is an Integrated Development Environment specifically designed for teaching at introductory level . (version 3.1.6).

- Microsoft Word – is a software specially designed to enhance the quality of writing , providing various features such as, fonts, break, bullet and numbering etc. (version 2007).

- JAVA – is a robust, object-oriented, platform independent language created by James Gosling. BlueJ provides an integrated environment for JAVA language.

  - JVM – the devices which are equipped with JAVA interpreters that can read the byte code are called Java Virtual Machine

INTRODUCTION

JAVA :- JAVA is a third generation programming language originally developed by James Gosling at Sun Microsystems.JAVA was released in 1995 as the core component of Sun Microsystems' JAV platform.

Thus, JAVA is a robust, platform - independent, object - oriented programing language .

BlueJ :- The BlueJ project started at Monash University in Melbourne, and later split and migrated to its current locations.In march 2009,BlueJ project became free and open source software.

SOURCE CODE

```java
import java.io.*;
import java.util.*;
public class Salary_Slip
{
    String name,post,adr;
    char gen;
    int basic_s,days,hra,da,ta,pf,gross_s,net_s;
    long phone_no;
    public void accept()throws IOException
    {
        Scanner ob=new Scanner(System.in);
        InputStreamReader read=new InputStreamReader(System.in);
        BufferedReader in=new BufferedReader(read);
        System.out.println("Enter your full name");
        name=ob.nextLine();
        System.out.println("Enter your Gender(prees m for male and f for female)");
        gen=(char)in.read();
        System.out.println("Enter your Post/Designation");
        post=ob.nextLine();
        System.out.println("Enter your address");
        adr=ob.nextLine();
        System.out.println("Enter your Phone Number");
        phone_no=ob.nextLong();
        System.out.println("Enter your Basic Salary");
        basic_s=ob.nextInt();
        System.out.println("Enter no. of days attended");
        days=ob.nextInt();
```

```java
        }
    public void calculate()
    {
        hra=basic_s*25/100;
        da=basic_s*60/100;
        ta=basic_s*4/100;
        pf=basic_s*10/100;
        gross_s=basic_s+hra+da+ta;
        net_s=gross_s-pf;
    }
    public void tax()
    {
        int tax;
        if(net_s>=20000)
        {
            if(gen=='m')
            {
                tax=net_s*8/100;
            }
            else
            {
                tax=net_s*5/100;
            }
            net_s=net_s-tax;
            System.out.println("|");
            System.out.println("|Your salary is more than 20000.");
            if(gen=='m')
            {
                System.out.println("|You have to pay a tax of 8% on your salary.");
            }
            else
```

```java
            {
                System.out.println("|You have to pay a tax of 5% on your salary.");
            }
            System.out.println("|So, You recieved a tax of:Rs."+tax);
            System.out.println("|");
            System.out.println("|Now, Your Net Salary is    :Rs."+net_s);
        }
        else
        {
            System.out.println("|Your salary is less than 20000.");
            System.out.println("|So, your recieved no tax.");
        }
    }
    public void bonus()
    {
        if(days>=80)
        {
            net_s=net_s+5000;
            System.out.println("|");
            System.out.println("|You attended the Company more than 80 days.");
            System.out.println("|CONGRATULATIONS!!!!");
            System.out.println("|So, You received a bonus of Rs.5000 from the
Company.");
            System.out.println("|Now, Your net salary        :Rs"+net_s);
        }
        else
        {
            System.out.println("|You attended the Company less than 80 days.");
            System.out.println("|So, You received no bonus.");
        }
    }
    public void display()
```

```java
        {
            System.out.print("\f");
            System.out.println("-----------------------------------------------------------------");

System.out.println("|****************************************************************");
            System.out.println("|\t\t  MALHOTRA INTERNATIONALS");
            System.out.println("|\t\t\t  MUMBAI");

System.out.println("|****************************************************************");

System.out.println("|_____");
            System.out.println("|\t\t\tSalary Slip");

System.out.println("|_____");
            if(gen=='m')
            {
                System.out.println("|Name of the Employee          :Mr."+name);
                System.out.println("|Gender of the Employee        :male");
            }
            else
            {
                System.out.println("|Name          of          the          Employee :Miss/Mrs."+name);
                System.out.println("|Gender of the Employee         :female");
            }
            System.out.println("|Address of the Employee         :"+adr);
            System.out.println("|Phone No. of the Employee        :"+phone_no);
            System.out.println("|Post of the Employee            :"+post);
            System.out.println("|Basic Salary of the Employee    :Rs."+basic_s);
```

```java
        System.out.println("|Total days attended                :"+days);
        System.out.println("|House Rent Allowance(25%)     :Rs."+hra);
        System.out.println("|Dearness Allowance(60%)        :Rs."+da);
        System.out.println("|Travelling Allowance(4%)         :Rs."+ta);
        System.out.println("|Provident Fund(10%)               :Rs."+pf);
        System.out.println("|Gross Salray                         :Rs."+gross_s);
        System.out.println("|Net Salary                           :Rs."+net_s);
    }
    public void display2()
    {
        System.out.println("|");
        System.out.println("|                                      Director(signature)
");
        System.out.println("|                                      Mr. Yogesh Kumar
Dutt");

System.out.println("|_____");
System.out.println("|_____");
System.out.println("-------------------------------------------------------");
    }
        public static void main()throws IOException
    {
        Salary_Slip s=new Salary_Slip();
        s.accept();
        s.calculate();
        s.display();
        s.tax();
        s.bonus();
        s.display2();
    }
}
```

VARIABLE DISCRIPTION

S.NO.	NAME	DATA TYPE	DISCRIPTION
1.	name	String	To accept the name of the Employee
2.	post	String	To accept the post of the Employee
3.	adr	String	To accept the address of the Employee
4.	gen	char	To accept the gender of the Employee
5.	basic_s	int	To accept the basic salary of the Employee
6.	days	int	To accept the number of days attended by the Employee
7.	hra	int	To calculate the House Rent Allowance
8.	da	int	To calculate the Dearness Allowance
9.	ta	int	To calculate the Travelling

			Allowance
10.	pf	int	To calculate the Provident Fund
11.	gross_s	int	To calculate the Gross Salary
12.	net_s	int	To calculate the Net Salary
13.	phone_no	long	To accept the Phone Number of the Employee
14.	tax	int	To calculate the Tax on the Salary

OUTPUT 1

Enter your full name

Neha Choudhary
Enter your Gender(prees m for male and f for female)

f
Enter your Post/Designation

Vice-President
Enter your address

79/p-block,Rajiv Nagar,Delhi.
Enter your Phone Number

8171410452
Enter your Basic Salary

59000
Enter no. of days attended

87

|***
****

| MALHOTRA INTERNATIONALS

| MUMBAI

|***
****

| Salary Slip

|_____
_____

|Name of the Employee   :Miss/Mrs.Neha Choudhary

|Gender of the Employee   :female

|Address of the Employee   :79/p-block,Rajiv Nagar,Delhi.

|Phone No. of the Employee   :8171410452

|Post of the Employee   :Vice-President

|Basic Salary of the Employee   :Rs.59000

|Total days attended   :87

|House Rent Allowance(25%)   :Rs.14750

|Dearness Allowance(60%)   :Rs.35400

|Travelling Allowance(4%)   :Rs.2360

|Provident Fund(10%)   :Rs.5900

|Gross Salray   :Rs.111510

|Net Salary   :Rs.105610

|

|Your salary is more than 20000.

|You have to pay a tax of 5% on your salary.

|So, You recieved a tax of   :Rs.5280

|Now, Your Net Salary is   :Rs.100330

|

|You attended the Company more than 80 days.

|CONGRATULATIONS!!!!

|So, You received a bonus of Rs.5000 from the Company.

|Now, Your net salary   :Rs105330

| Director(signature),

| Mr. Yogesh Kumar Dutt.

OUTPUT 2

Enter your full name

Sunil Kumar
Enter your Gender(prees m for male and f for female)

m
Enter your Post/Designation

Sales man
Enter your address

56/d-block,Jankpuri East,Delhi.
Enter your Phone Number

9719344612
Enter your Basic Salary

23000
Enter no. of days attended

88

|***
****

| MALHOTRA INTERNATIONALS

| MUMBAI

|***
****

| Salary Slip

|_____
_____

|Name of the Employee   :Mr.Sunil Kumar

|Gender of the Employee   :male

|Address of the Employee   :56/d-block,Jankpuri East,Delhi.

|Phone No. of the Employee   :9719344612

|Post of the Employee   :Sales man

|Basic Salary of the Employee :Rs.23000

|Total days attended   :88

|House Rent Allowance(25%)   :Rs.5750

|Dearness Allowance(60%)   :Rs.13800

|Travelling Allowance(4%)   :Rs.920

|Provident Fund(10%)   :Rs.2300

|Gross Salray   :Rs.43470

|Net Salary   :Rs.41170

|

|Your salary is more than 20000.

|You have to pay a tax of 8% on your salary.

|So, You recieved a tax of   :Rs.3293

|Now, Your Net Salary is   :Rs.37877

|

|You attended the Company more than 80 days.

|CONGRATULATIONS!!!!

|So, You received a bonus of Rs.5000 from the Company.

|Now, Your net salary   :Rs42877

| Director(signature),

| Mr. Yogesh Kumar Dutt.

CONCLUSION

- From this program, the readers may conclude :-
- JAVA is a programming language, purely object-oriented .
- Its concepts are related our daily routine.
- One can perform a number of tasks, basic mathematical calculations.
- BlueJ is an IDE .It is a graphical interface which is ideal for the beginners and future programmers.
- JAVA is a platform independent language and has both compilers and interpreters.

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- BlueJ – 9th standard   by KIPS.
- BlueJ – 10th standard   by KIPS.
- Computer Applications   by APC.
- www.brainly.com
- Other websites
- Family & Friends

Subject teacher   Mrs. Deepa Rani

THANK YOU……………..