**PROCESS**

The Project contains code for managing the Employee database . The Package PROJECT contain one java file

(Test.java) . Here the Test.java file contains the main function

Address Class :

This java file contains the Address class with four instance variables i.e. street , city , state and pin code

with the constructor for initializing the instance variables . Setter Methods and Getter Methods for each of

the instance variables . At last an additional getter method for getting the full address all together in String .

Employee class :

This java file contains the Employee class with seven instance variables i.e. name , empId , salary , hireDate ,

jobPositoin , contactNumber and address .

The address data type is “Address” which refers to the Address class . Setter Methods and Getter Methods for each

of the instance variables. An additional getter method which returns the Employee’s all Detail in String data type .

Test.java file :

The following java file contains the main function . First the program asks the User to “Enter the Number of Employee : ”

, accordingly it creates the Employee database using the array employees[] .It will create an array of objects of Employee class.

arrangeEmployeeBySalary(e):

This Method is called for sorting the Employee Database with respect to salary in decreasing order . After sorting

it prints a message “Sorting is Done” . The Method swaps the object in decreasing order according to the salary .

getEmployeeByJobPosition(e , jp):

This Method displays the Detail of the Employee of the given Job Position . The method compare the job position

(jp) to every Employee’s job position with the help of string method .equal(jp) . if the job position is

equal then it returns the Employee Detail.

getEmployeeByHireDate(e ,Date1 ,Date2):

This Method for Displaying the Detail of the Employee between the input Date . The Date1 and Date2 are objects .

The method compares the Dates in between Date1 to Date2 and Displays the Employee Detail.

foreignEmployeeCount(e):

This Method counts the number of foreign employees in Database . The method Checks

the contact Number if it starts with “+91” and if it does not start , the variable count is incremented and returned .

getEmployeeBySalary(e ,s1 ,s2);

This Method is used to display the Employee detail between the input salary . s1 and s2

is inputted by the user . The method checks salary in between s1 to s2 and displays the

Employee Detail .

**OUTPUT**

Information of 1 employee

Enter your employee id : 1

Enter your name : Aditya

Enter your salary: 170000

Enter your address :

Street: UNIT-6

City: BBSR

State: ODISHA

Country: INDIA

Zip code: 751001

Enter your hire date (dd-MM-yyyy) : 05-05-2022

Enter your job position : WebDev

Your contact number : 91-923736657

Information of 2 employee

Enter your employee id : 2

Enter your name : Raj

Enter your salary: 180000

Enter your address :

Street: Lane-9

City: LA

State: California

Country: US

Zip code: none

Enter your hire date (dd-MM-yyyy) : 05-05-2023

Enter your job position : Manager

Your contact number : 12-92311239132

Details of the employee salary in descending order

Employee{name='Raj', empId=2, salary=180000.0, hireDate=05-05-2023, jobPosition='Manager', contactNumber='12-92311239132', address='LA California US none'}

Employee{name='Aditya', empId=1, salary=170000.0, hireDate=05-05-2022, jobPosition='WebDev', contactNumber='91-923736657', address='BBSR ODISHA INDIA 751001'}

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Details of employees whose jobPosition is manager

Name: Raj is a manager

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Details of employees whose hireDate is between 01-04-2022 to 31-03-2023

Name: Aditya

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Number of foreign employees: 1

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Details of employees whose salary is in a range 150000 INR to 300000 INR:

Name: Raj, Salary: 180000.0

Name: Aditya, Salary: 170000.0