**package javaapplication17;**

**import java.util.Scanner;**

**public class ProgrammingProject**

**{**

**static Scanner Memo = new Scanner (System.in);**

**static String FName[] = {"Ali","Faisal","Mohammed","Omar","Yasir","Ahmed","Marwan","Hassan",null,null};**

**static String LName[] = {"Ismail","Mohammed","Gamal","Sulaiman","Ashraf","Ibrahim","seed","Mahmood",null,null};**

**static String Type[] = {"Programmer","Programmer","Programmer","System Analyst","System Analyst","Project Manager","Quality Assurance Engineer","Programmer",null,null};**

**static String ID[] = {"3620477031","3620477831","3620495831","3620497831","3620498231","3620499231","3620500031","3620508131",null,null} ;**

**static String Email[] = {"Ail2030@gmail.com","F.A.F2010@gmail.com","Mooody.Gemo@gamil.com","Omar.Kamal@gmail.com","Y\_Ali223355@gmail.com","M123M456.I@gmail.com","Marwan.King0@gmail.com","SSS.Mah@gmail.com",null,null};**

**static double BSalary[] = {3000,2500,4500,6500,4000,18000,3500,15000,0,0};**

**static int Experience[] = {4,2,7,9,6,16,5,13,0,0};**

**static boolean Transferable[] = {false,false,true,true,false,true,false,true,false,false};**

**static int PM[] = {0,0,0,0,0,35,0,0,0,0}; // only for the Project Manager**

**static double CR[] = {0,0,0,0,0,0.3,0,0,0,0}; // only for the Project Manager**

**public static void main (String [] args )**

**{**

**//int option ;**

**//char repeat;**

**boolean continuity = true;**

**System.out.print("\n .(mmmmmmmmmmmmmmmmmmmmmmmmmmmmmm#\_\_\_\_\* :=: M^Gemo IT company :=: \*\_\_\_\_#mmmmmmmmmmmmmmmmmmmmmmmmmmmmmm). ");**

**System.out.print("\n Student Name : Mohammed Gamal ID : 362049583 ");**

**System.out.print("\n ");**

**System.out.print("\n \_\_ \_\_ \_\_\_\_\_\_ \_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_ \_\_\_ \_\_\_\_\_\_ ");**

**System.out.print("\n \\#\\ \_\_ /#/ |######| |#| /#####\\ /#####\\ |###\\ /###| |######| ");**

**System.out.print("\n \\#\\ /##\\ /#/ |#|\_\_ |#| /#/ /#/ \\#\\ |#|\\#\\/#/|#| |#|\_\_ ");**

**System.out.print("\n \\#\\ /#/\\#\\ /#/ |####| |#| ## ## ## |#| \\##/ |#| |####| ");**

**System.out.print("\n \\#\\/#/ \\#\\/#/ |#|\_\_\_\_ |#|\_\_\_\_ \\#\\\_\_\_\_\_ \\#\\\_\_\_/#/ |#| \\/ |#| |#|\_\_\_\_ ");**

**System.out.print("\n \\##/ \\##/ |######| |######| \\#####/ \\#####/ |#| |#| |######| ");**

**System.out.print("\n ");**

**do**

**{**

**System.out.print("\n Choose a number of the following :");**

**System.out.print("\n (1) Show All employees. \n (2) Calculate total employees Salary. ");**

**System.out.print("\n (3) Enter New employee. \n (4) Check email for employees." );**

**System.out.print("\n (5) Check the full names of the employees. \n (6) Delete Spcefied employee. ");**

**System.out.print("\n (7) Find employee according to specified field. \n (8) Exit. ");**

**System.out.print("\n \n Your choice is : ");**

**int option = Memo.nextInt();**

**while ( option != 1 && option != 2 && option != 3 && option != 4 && option != 5 && option != 6 && option != 7 && option != 8 )**

**{**

**System.out.print("\n Please press either 1,2,3,4,5,6,7, or 8 \n Your choice is : ");**

**option = Memo.nextInt();**

**}**

**switch (option) {**

**case 1:**

**displayInfoEmp();**

**break;**

**case 2:**

**calTotalSalary();**

**break;**

**case 3:**

**enterInfoEmp();**

**break;**

**case 4:**

**rightEmail();**

**break;**

**case 5:**

**checkFullName();**

**break;**

**case 6:**

**deleteEmp();**

**break;**

**case 7:**

**findSpecificEmp();**

**break;**

**case 8:**

**System.out.print("\n \n Do you want to Exit the program ? \n Press 1: Exit \n Press 0: Stay");**

**do**

**{**

**System.out.print("\n Your choice is : ");**

**int chi = Memo.nextInt();**

**if(chi == 1)**

**{**

**System.out.print(" .(\*~mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm~\*/Good bye/\*~mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm~\*). ");**

**System.exit(0);**

**}**

**else if(chi == 0)**

**{**

**break;**

**}**

**else**

**{**

**while ( chi != 1 && chi != 0 )**

**{**

**System.out.print("\n \*\*\*### Please press either '1' for Exit or '0' for Stay ###\*\*\*");**

**System.out.print("\n Your choice is : ");**

**chi = Memo.nextInt();**

**if(chi == 1)**

**{**

**System.out.print(" .(\*~mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm~\*/Good bye/\*~mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm~\*). ");**

**System.exit(0);**

**}**

**else if(chi == 0)**

**{**

**break;**

**}**

**}**

**}**

**}**

**while(true);**

**default:**

**break;**

**}**

**System.out.print("\n \n Do you want to return to the program again ? \n Press 'y' for Yes or 'n' for No");**

**System.out.print("\n Your choice is : ");**

**char repeat = Memo.next().charAt(0);**

**while ( repeat != 'y' && repeat != 'n' )**

**{**

**System.out.print("\n \*\*\*### Please press either 'y' for Yes or 'n' for No ###\*\*\*");**

**System.out.print("\n Your choice is : ");**

**repeat = Memo.next().charAt(0);**

**}**

**if ( repeat == 'y' )**

**{**

**continuity = true;**

**}**

**else if ( repeat == 'n' )**

**{**

**continuity = false;**

**System.out.print(" .(\*~mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm~\*/Good bye/\*~mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm~\*). ");**

**}**

**else**

**{**

**// Do nothing**

**}**

**}**

**while ( continuity == true );**

**}**

**/\***

**#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**==#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#=**

**\*/**

**private static void displayInfoEmp() // Method 1 (Show All employees)**

**{**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**if ( Type[i].equals("Project Manager") )**

**{**

**System.out.print("\n number of projects that he managed : " + PM[i] );**

**System.out.print("\n commission rate : " + CR[i] );**

**}**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**/\***

**#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**==#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#=**

**\*/**

**private static void calTotalSalary() // Method 2 (Calculate total employees Salary)**

**{**

**// Total salary = (( basic salary \* 5% \* years of experience ) + ( basic salary )**

**System.out.print("\n Please select one of the following : ");**

**System.out.print("\n Press 1: Calculate Total Salary for Specific Employee ");**

**System.out.print("\n Press 2: Calculate Total Salary for All Employees ");**

**System.out.print("\n Your choice is : ");**

**int select = Memo.nextInt();**

**if ( select == 1 )**

**{**

**System.out.print("\n Please, Select on of the following : ");**

**for ( int i = 0; i < 9 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $ " );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**if ( Type[i].equals("Project Manager") )**

**{**

**System.out.print("\n number of projects that he managed : " + PM[i] );**

**System.out.print("\n commission rate : " + CR[i] );**

**}**

**}**

**}**

**System.out.print("\n \n Your choice number is : ");**

**int option = Memo.nextInt();**

**if ( option == 1 && FName[0] != null && Type[0] != null && BSalary[0] != 0 )**

**{**

**int i = 0;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 2 && FName[1] != null && Type[1] != null && BSalary[1] != 0 )**

**{**

**int i = 1;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 3 && FName[2] != null && Type[2] != null && BSalary[2] != 0 )**

**{**

**int i = 2;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 4 && FName[3] != null && Type[3] != null && BSalary[3] != 0 )**

**{**

**int i = 3;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 5 && FName[4] != null && Type[4] != null && BSalary[4] != 0 )**

**{**

**int i = 4;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 6 && FName[5] != null && Type[5] != null && BSalary[5] != 0 )**

**{**

**int i = 5;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 7 && FName[6] != null && Type[6] != null && BSalary[6] != 0 )**

**{**

**int i = 6;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 8 && FName[7] != null && Type[7] != null && BSalary[7] != 0 )**

**{**

**int i = 7;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if( option == 9 && FName[8] != null && Type[8] != null && BSalary[8] != 0 )**

**{**

**int i = 8;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else if ( option == 10 && FName[9] != null && Type[9] != null && BSalary[9] != 0 )**

**{**

**int i = 9;**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else**

**{**

**System.out.print("\n <><>< Sorry, your selection is incorrect !!! ><><> ");**

**}**

**}**

**else if ( select == 2 )**

**{**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**double TotalS = (( BSalary[i] \* Experience[i] \* 0.5 ) + BSalary[i]);**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n The Total Salary is : " + TotalS + " $ " );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**/\***

**#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**==#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#=**

**\*/**

**private static void enterInfoEmp() // Method 3 (Enter New employee)**

**{**

**System.out.print("\n Choose the type of employee : ");**

**System.out.print("\n Press 1: Programmer \n Press 2: System Analyst \n Press 3: Quality Assurance Engineer \n Press 4: Project Manager ");**

**System.out.print("\n Your choice is : ");**

**int choice = Memo.nextInt();**

**while ( choice != 1 && choice != 2 && choice != 3 && choice != 4 )**

**{**

**System.out.print("\n Please Choose either (1) or (2) or (3) or (4):");**

**System.out.print("\n Press 1: Programmer \n Press 2: System Analyst \n Press 3: Quality Assurance Engineer \n Press 4: Project Manager ");**

**System.out.print("\n Your choice is : ");**

**choice = Memo.nextInt();**

**}**

**switch (choice) {**

**case 1:**

**{**

**int x = 0;**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**x = i;**

**break;**

**}**

**else**

**{**

**// do noting**

**}**

**}**

**Type[x] = "Programmer" ;**

**System.out.print("\n You have chosen a \"Programmer\" ");**

**System.out.print("\n Please enter the following information : ");**

**System.out.print("\n \n 1- First Name : ");**

**FName[x]= Memo.next();**

**System.out.print(" 2- Second Name : ");**

**LName[x] = Memo.next();**

**System.out.print(" 3- ID : ");**

**ID[x] = Memo.next();**

**System.out.print(" 4- Email : ");**

**Email[x] = Memo.next();**

**System.out.print(" 5- Basic Salary : ");**

**BSalary[x] = Memo.nextDouble();**

**System.out.print(" 6- Years of Experience : ");**

**Experience[x] = Memo.nextInt();**

**System.out.print(" 7- Transferability to Another Location (true) or (false) : ");**

**Transferable[x] = Memo.nextBoolean();**

**System.out.print("\n \n (|||~ Do you want to see your NEW employee information ~|||) ");**

**System.out.print("\n Press y: to see the information \n Press n: to continue the program ");**

**System.out.print("\n Your choice is : ");**

**char option = Memo.next().charAt(0);**

**while ( option != 'y' && option != 'n' )**

**{**

**System.out.print("\n Please Choose either (y) or (n): ");**

**option = Memo.next().charAt(0);**

**}**

**if ( option == 'y' )**

**{**

**System.out.print("\n \n " + (x+1) + " - Job : " + Type[x]);**

**System.out.print("\n Name : " + FName[x] + " " + LName[x] );**

**System.out.print("\n ID : " + ID[x] );**

**System.out.print("\n Email : " + Email[x] );**

**System.out.print("\n Salary : " + BSalary[x] + " $" );**

**System.out.print("\n Years of experience : " + Experience[x] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[x] );**

**}**

**else if ( option == 'n' )**

**{**

**System.out.print(" -%- The employee has now been added -%- ");**

**}**

**else**

**{**

**// do nothing**

**}**

**break;**

**}**

**case 2:**

**{**

**int x = 0;**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**x = i;**

**break;**

**}**

**else**

**{**

**// do noting**

**}**

**}**

**Type[x] = "System Analyst" ;**

**System.out.print("\n You have chosen a \"System Analyst\" ");**

**System.out.print("\n Please enter the following information : ");**

**System.out.print("\n \n 1- First Name : ");**

**FName[x]= Memo.next();**

**System.out.print(" 2- Second Name : ");**

**LName[x] = Memo.next();**

**System.out.print(" 3- ID : ");**

**ID[x] = Memo.next();**

**System.out.print(" 4- Email : ");**

**Email[x] = Memo.next();**

**System.out.print(" 5- Basic Salary : ");**

**BSalary[x] = Memo.nextDouble();**

**System.out.print(" 6- Years of Experience : ");**

**Experience[x] = Memo.nextInt();**

**System.out.print(" 7- Transferability to Another Location (true) or (false) : ");**

**Transferable[x] = Memo.nextBoolean();**

**System.out.print("\n \n (|||~ Do you want to see your NEW employee information ~|||) ");**

**System.out.print("\n Press y: to see the information \n Press n: to continue the program ");**

**System.out.print("\n Your choice is : ");**

**char option = Memo.next().charAt(0);**

**while ( option != 'y' && option != 'n' )**

**{**

**System.out.print("\n Please Choose either (y) or (n): ");**

**option = Memo.next().charAt(0);**

**}**

**if ( option == 'y' )**

**{**

**System.out.print("\n \n " + (x+1) + " - Job : " + Type[x]);**

**System.out.print("\n Name : " + FName[x] + " " + LName[x] );**

**System.out.print("\n ID : " + ID[x] );**

**System.out.print("\n Email : " + Email[x] );**

**System.out.print("\n Salary : " + BSalary[x] + " $" );**

**System.out.print("\n Years of experience : " + Experience[x] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[x] );**

**}**

**else if ( option == 'n' )**

**{**

**System.out.print(" -%- The employee has now been added -%- ");**

**}**

**else**

**{**

**// do nothing**

**}**

**break;**

**}**

**case 3:**

**{**

**int x = 0;**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**x = i;**

**break;**

**}**

**else**

**{**

**// do noting**

**}**

**}**

**Type[x] = "Quality Assurance Engineer" ;**

**System.out.print("\n You have chosen a \"Quality Assurance Engineer\" ");**

**System.out.print("\n Please enter the following information : ");**

**System.out.print("\n \n 1- First Name : ");**

**FName[x]= Memo.next();**

**System.out.print(" 2- Second Name : ");**

**LName[x] = Memo.next();**

**System.out.print(" 3- ID : ");**

**ID[x] = Memo.next();**

**System.out.print(" 4- Email : ");**

**Email[x] = Memo.next();**

**System.out.print(" 5- Basic Salary : ");**

**BSalary[x] = Memo.nextDouble();**

**System.out.print(" 6- Years of Experience : ");**

**Experience[x] = Memo.nextInt();**

**System.out.print(" 7- Transferability to Another Location (true) or (false) : ");**

**Transferable[x] = Memo.nextBoolean();**

**System.out.print("\n \n (|||~ Do you want to see your NEW employee information ~|||) ");**

**System.out.print("\n Press y: to see the information \n Press n: to continue the program ");**

**System.out.print("\n Your choice is : ");**

**char option = Memo.next().charAt(0);**

**while ( option != 'y' && option != 'n' )**

**{**

**System.out.print("\n Please Choose either (y) or (n): ");**

**option = Memo.next().charAt(0);**

**}**

**if ( option == 'y' )**

**{**

**System.out.print("\n \n " + (x+1) + " - Job : " + Type[x]);**

**System.out.print("\n Name : " + FName[x] + " " + LName[x] );**

**System.out.print("\n ID : " + ID[x] );**

**System.out.print("\n Email : " + Email[x] );**

**System.out.print("\n Salary : " + BSalary[x] + " $" );**

**System.out.print("\n Years of experience : " + Experience[x] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[x] );**

**}**

**else if ( option == 'n' )**

**{**

**System.out.print(" -%- The employee has now been added -%- ");**

**}**

**else**

**{**

**// do nothing**

**}**

**break;**

**}**

**case 4:**

**{**

**int x = 0;**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**x = i;**

**break;**

**}**

**else**

**{**

**// do noting**

**}**

**}**

**Type[x] = "Project Manager" ;**

**System.out.print("\n You have chosen a \"Project Manager\" ");**

**System.out.print("\n Please enter the following information : ");**

**System.out.print("\n \n 1- First Name : ");**

**FName[x]= Memo.next();**

**System.out.print(" 2- Second Name : ");**

**LName[x] = Memo.next();**

**System.out.print(" 3- ID : ");**

**ID[x] = Memo.next();**

**System.out.print(" 4- Email : ");**

**Email[x] = Memo.next();**

**System.out.print(" 5- Basic Salary : ");**

**BSalary[x] = Memo.nextDouble();**

**System.out.print(" 6- Years of Experience : ");**

**Experience[x] = Memo.nextInt();**

**System.out.print(" 7- Transferability to Another Location (true) or (false) : ");**

**Transferable[x] = Memo.nextBoolean();**

**System.out.print(" 8- Number of Projects That He Managed : ");**

**PM[x] = Memo.nextInt();**

**System.out.print(" 9- His Commission Rate : ");**

**CR[x] = Memo.nextDouble();**

**System.out.print("\n \n (|||~ Do you want to see your NEW employee information ~|||) ");**

**System.out.print("\n Press y: to see the information \n Press n: to continue the program ");**

**System.out.print("\n Your choice is : ");**

**char option = Memo.next().charAt(0);**

**while ( option != 'y' && option != 'n' )**

**{**

**System.out.print("\nPlease Choose either (y) or (n): ");**

**option = Memo.next().charAt(0);**

**}**

**if ( option == 'y' )**

**{**

**System.out.print("\n \n " + (x+1) + " - Job : " + Type[x]);**

**System.out.print("\n Name : " + FName[x] + " " + LName[x] );**

**System.out.print("\n ID : " + ID[x] );**

**System.out.print("\n Email : " + Email[x] );**

**System.out.print("\n Salary : " + BSalary[x] + " $" );**

**System.out.print("\n Years of experience : " + Experience[x] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[x] );**

**System.out.print("\n number of projects that he managed : " + PM[x] );**

**System.out.print("\n commission rate : " + CR[x] );**

**}**

**else if ( option == 'n' )**

**{**

**System.out.print(" -%- The employee has now been added -%- ");**

**}**

**else**

**{**

**// do nothing**

**}**

**break;**

**}**

**default:**

**break;**

**}**

**}**

**/\***

**#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**==#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#=**

**\*/**

**private static void rightEmail() // Method 4 (Check email for employees)**

**{**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**int x;**

**int y;**

**int sum = 0;**

**int sum2 = 0;**

**for ( int j = 0 ; j < Email[i].length() ; j++ )**

**{**

**if ( Email[i].charAt(j) != 64 )**

**{**

**y=0;**

**sum2 += y;**

**}**

**else**

**{**

**y=1;**

**sum2 += y;**

**}**

**if ( Email[i].charAt(j) == 32 )**

**{**

**x = 0;**

**sum += x;**

**}**

**else**

**{**

**x = 1;**

**sum += x;**

**}**

**}**

**if ( sum == Email[i].length() && sum2 == 1 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Email is Right ");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Email is (((\*WRON\*))), Because there is no @ or there are more than one @");**

**}**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**System.out.print("\n \n");**

**}**

**/\***

**#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**==#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#=**

**\*/**

**private static void checkFullName() // Method 5 (Check the full names of the employees)**

**{**

**System.out.print("\n Please determine the following : ");**

**System.out.print("\n Press 1 to : Check the names of all employees ");**

**System.out.print("\n Press 2 to : Check the name of a particular employee ");**

**System.out.print("\n Your choice is : ");**

**int choice = Memo.nextInt();**

**while ( choice != 1 && choice != 2 )**

**{**

**System.out.print("\n You have entered WRONG input ");**

**System.out.print("\n Please Press ethier ( 1 ) or ( 2 ): ");**

**System.out.print("\n Your choice is : ");**

**choice = Memo.nextInt();**

**}**

**if ( choice == 1 )**

**{**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( choice == 2 )**

**{**

**System.out.print("\n Please, Select one of the following : ");**

**for (int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**System.out.print("\n \n My choice number is : ");**

**int option = Memo.nextInt();**

**if ( option == 1 && FName[0] != null && Type[0] != null && BSalary[0] != 0 )**

**{**

**int i = 0;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if ( option == 2 && FName[1] != null && Type[1] != null && BSalary[1] != 0)**

**{**

**int i = 1;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if ( option == 3 && FName[2] != null && Type[2] != null && BSalary[2] != 0 )**

**{**

**int i = 2;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if ( option == 4 && FName[3] != null && Type[3] != null && BSalary[3] != 0)**

**{**

**int i = 3;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if ( option == 5 && FName[4] != null && Type[4] != null && BSalary[4] != 0 )**

**{**

**int i = 4;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if ( option == 6 && FName[5] != null && Type[5] != null && BSalary[5] != 0)**

**{**

**int i = 5;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if ( option == 7 && FName[6] != null && Type[6] != null && BSalary[6] != 0 )**

**{**

**int i = 6;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if ( option == 8 && FName[7] != null && Type[7] != null && BSalary[7] != 0)**

**{**

**int i = 7;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if( option == 9 && FName[8] != null && Type[8] != null && BSalary[8] != 0)**

**{**

**int i = 8;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else if( option == 10 && FName[9] != null && Type[9] != null && BSalary[9] != 0)**

**{**

**int i = 9;**

**String first\_and\_last = (FName[i] + LName[i]);**

**int full\_name\_length = first\_and\_last.length();**

**if ( full\_name\_length >= 9 && full\_name\_length > 0 )**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a CORRECT name");**

**}**

**else**

**{**

**System.out.print("\n \n " + (i+1) + " - Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n Employee has a (((\*WRON name\*))) ");**

**}**

**}**

**else**

**{**

**System.out.print("\n <><>< Sorry, your selection is incorrect !!! ><><> ");**

**}**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**/\***

**#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**==#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#=**

**\*/**

**private static void deleteEmp() // Method 6 (Delete Spcefied employee)**

**{**

**for (int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

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

**System.out.print("\n Enter the number of the employee that you want to delete ");**

**System.out.print("\n Delete Employee number : ");**

**int number = Memo.nextInt();**

**if ( number == 1 )**

**{**

**for (int i = 0 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 2 )**

**{**

**for (int i = 1 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 3 )**

**{**

**for (int i = 2 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 4 )**

**{**

**for (int i = 3 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 5 )**

**{**

**for (int i = 4 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 6 )**

**{**

**for (int i = 5 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 7 )**

**{**

**for (int i = 6 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 8 )**

**{**

**for (int i = 7 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 9 )**

**{**

**for (int i = 8 ; i < 10 ; i++ )**

**{**

**FName[i] = FName[i + 1];**

**LName[i] = LName[i + 1];**

**Type[i] = Type[i + 1];**

**ID[i] = ID[i + 1];**

**Email[i] = Email[i + 1];**

**BSalary[i] = BSalary[i + 1];**

**Experience[i] = Experience[i + 1];**

**Transferable[i] = Transferable[i + 1];**

**}**

**for ( int i = 0 ; i < 10 ; i++ )**

**{**

**if ( FName[i] == null && Type[i] == null && BSalary[i] == 0 )**

**{**

**break;**

**}**

**else if ( FName[i] != null && Type[i] != null && BSalary[i] != 0 )**

**{**

**System.out.print("\n \n " + (i+1) + ". Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else if ( number == 10 )**

**{**

**int i=9;**

**FName[i] = null;**

**LName[i] = null;**

**Type[i] = null;**

**ID[i] = null;**

**Email[i] = null;**

**BSalary[i] = 0.0;**

**Experience[i] = 0;**

**Transferable[i] = false;**

**for ( int j = 0 ; j < 10 ; j++ )**

**{**

**if ( FName[j] == null && Type[j] == null && BSalary[j] == 0 )**

**{**

**break;**

**}**

**else if ( FName[j] != null && Type[j] != null && BSalary[j] != 0 )**

**{**

**System.out.print("\n \n " + (j+1) + ". Job : " + Type[j]);**

**System.out.print("\n Name : " + FName[j] + " " + LName[j] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**

**else**

**{**

**System.out.print("\n (((\*WRON number\*))) You entered a number that does not exist ");**

**}**

**}**

**/\***

**#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**==#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#===#=**

**\*/**

**private static void findSpecificEmp() // Method 7 (Find employee according to specified field -search by ID-)**

**{**

**System.out.print("\n .`.`. Search by ( Employee ID ):- ");**

**System.out.print("\n Enter employee ( ID ) : ");**

**String User\_ID = Memo.next();**

**while ( !User\_ID.equals(ID[0]) && !User\_ID.equals(ID[1]) && !User\_ID.equals(ID[2]) && !User\_ID.equals(ID[3]) && !User\_ID.equals(ID[4]) && !User\_ID.equals(ID[5]) && !User\_ID.equals(ID[6]) && !User\_ID.equals(ID[7]) )**

**{**

**System.out.print("\n (|||~ You have entered wrong employee ID ~|||)");**

**System.out.print("\n Press y: to try again \n Press n: to continue the program ");**

**System.out.print("\n Your choice is : ");**

**char option = Memo.next().charAt(0);**

**while ( option != 'y' && option != 'n' )**

**{**

**System.out.print("\n (((\*WRONG choice\*))) ... Please press either ( y ) or ( n ) : ");**

**System.out.print("\n Press y: to try again \n Press n: to continue the program ");**

**System.out.print("\n Your choice is : ");**

**option = Memo.next().charAt(0);**

**}**

**if ( option == 'y' )**

**{**

**System.out.print("\n The ID is : ");**

**User\_ID = Memo.next();**

**}**

**else if ( option == 'n' )**

**{**

**break;**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**if ( User\_ID.equals(ID[0]) )**

**{**

**int i = 0;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[1]) )**

**{**

**int i = 1;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[2]) )**

**{**

**int i = 2;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[3]) )**

**{**

**int i = 3;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[4]) )**

**{**

**int i = 4;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[5]) )**

**{**

**int i = 5;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[6]) )**

**{**

**int i = 6;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[7]) )**

**{**

**int i = 7;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( User\_ID.equals(ID[8]) )**

**{**

**int i = 8;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else if ( ( User\_ID.equals(ID[9]) ) )**

**{**

**int i = 9;**

**System.out.print("\n \n Job : " + Type[i]);**

**System.out.print("\n Name : " + FName[i] + " " + LName[i] );**

**System.out.print("\n ID : " + ID[i] );**

**System.out.print("\n Email : " + Email[i] );**

**System.out.print("\n Salary : " + BSalary[i] + " $" );**

**System.out.print("\n Years of experience : " + Experience[i] + " year/years " );**

**System.out.print("\n Transferability : " + Transferable[i] );**

**}**

**else**

**{**

**// do nothing**

**}**

**}**

**}**