



Project Title: PAY-ROLL MANAGEMENT SYSTEM

Submitted as Mini Project for Special Topics: Programming with C++
Semester III

BACHELOR OF TECHNOLOGY

in

Computer Science and Engineering

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This code is written in three file approach : client file (main.cpp), header file(header.h) , and function file (functions.cpp)

To compile this program type the following code on your linux terminal.

```
"c++ main.cpp functions.cpp"
```

And to see the output type the following on your linux terminal.

```
"/a.out"
```

This code will do the following things:

- 1.Modify the salary of employees.
- 2.List all the records
- 3.Pay the salary
- 4.Add employee type
- 5.Delete employee type or reduce employee_of_type
- 6.Exit

And the corresponding number will perform the corresponding operations.

Following images are some of the output of the code:

```

>./a.out

Enter the initial investment in company : 5000
Enter the number of different type of employees you want : 4
Enter the number of type 0 employee and their salary(space seperated) : 2 50
Enter the number of type 1 employee and their salary(space seperated) : 3 2
Enter the number of type 2 employee and their salary(space seperated) : 4 10
Enter the number of type 3 employee and their salary(space seperated) : 1 100
MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :

```

```

>./a.out

Enter the initial investment in company : 5000
Enter the number of different type of employees you want : 5
Enter the number of type 0 employee and their salary(space seperated) : 1 5
Enter the number of type 1 employee and their salary(space seperated) : 2 8
Enter the number of type 2 employee and their salary(space seperated) : 3 9
Enter the number of type 3 employee and their salary(space seperated) : 1 50
Enter the number of type 4 employee and their salary(space seperated) : 2 40
MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :

```

```
>./a.out
```

```
Enter the initial investment in company : 5000
```

```
Enter the number of different type of employees you want : 5
```

```
Enter the number of type 0 employee and their salary(space_seperated) : 1 5
Enter the number of type 1 employee and their salary(space_seperated) : 2 8
Enter the number of type 2 employee and their salary(space_seperated) : 3 9
Enter the number of type 3 employee and their salary(space_seperated) : 1 50
Enter the number of type 4 employee and their salary(space_seperated) : 2 40
```

```
MENU
```

```
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit
```

```
Enter your choice :1
```

```
OPTIONS YOU CAN DO
```

```
~~~~~
1.Reduce_salary_for_one_type
2.give_bonus_to_all
3.give_bonus_onetype
4.increase_salary_by_percentage
```

```
Enter your choice :|
```

```
Enter the number of type 4 employee and their salary(space_seperated) : 2 40
MENU
```

```
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit
```

```
Enter your choice :1
```

```
OPTIONS YOU CAN DO
```

```
~~~~~
1.Reduce_salary_for_one_type
2.give_bonus_to_all
3.give_bonus_onetype
4.increase_salary_by_percentage
```

```
Enter your choice :2
```

```
Enter the amount you want to give as bonus :10
```

```
MENU
```

```
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit
```

```
Enter your choice :|
```

```

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

-----
Enter your choice :2
-----

.....
Compansys Bank Balance is $5000
.....

|   Type   ||   Number Of Them   ||   Salary   |
-----
|    0     ||         1          ||    15      |
|    1     ||         2          ||    18      |
|    2     ||         3          ||    19      |
|    3     ||         1          ||    60      |
|    4     ||         2          ||    50      |
-----
.....
Company has to spend $268 in an year !
.....

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

-----
Enter your choice :|
-----
```

```

.....
|      0      ||      1      ||      15      |
|      1      ||      2      ||      18      |
|      2      ||      3      ||      19      |
|      3      ||      1      ||      60      |
|      4      ||      2      ||      50      |
|.....
.....
Company has to spend $268 in an year !
.....

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :3

Task Success.....

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :|

```

```

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :5

Enter 1 if you want to delete type of employee else enter 2 :1

Enter type of employee you want to delete :4

Successfull in Deleting type employee

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :2

.....
Companys Bank Balance is $4732
.....
|  Type  ||  Number Of Them  ||  Salary  |

```

```

      MENU
      ~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :2

.....
Company's Bank Balance is $4732
.....
|   Type   ||   Number Of Them   ||   Salary   |
|-----|
|    0     ||          1         ||    15     |
|    1     ||          2         ||    18     |
|    2     ||          3         ||    19     |
|    3     ||          1         ||    60     |
|-----|
.....
Company has to spend $168 in an year !
.....

      MENU
      ~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :|
  
```

```

.....
Company has to spend $168 in an year !
.....

      MENU
      ~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :4

Enter 1 if you want to add new type of employee lse enter 2 :1

Enter the income which you want to give to a new type of employee : 20
Enter the number of employee of new type : 2

Successfull in adding employee

.....

      MENU
      ~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :|
  
```

```

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :2

.....
Company's Bank Balance is $4732
.....
|   Type   ||   Number Of Them   ||   Salary   |
|-----|
|    0     ||          1         ||     15     |
|    1     ||          2         ||     18     |
|    2     ||          3         ||     19     |
|    3     ||          1         ||     60     |
|    4     ||          2         ||     20     |
|-----|
.....
Company has to spend $208 in an year !
.....

      MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

Enter your choice :|
```



```
.....
Company has to spend $208 in an year !
.....

-----

                MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

-----
Enter your choice :5

-----

Enter 1 if you want to delete  type of employee else enter 2 :2

-----
Enter the type of employee in which you want to remove employee :2
Enter the number of employees you want to remove :1

-----
Successfull in removing some employee

-----

                MENU
~~~~~
1.Modify the salary of employees.
2.List all the records
3.Pay the salary
4.Add employee type
5.Delete employee type or reduce employee_of_type
6.Exit

-----
Enter your choice :|
```