



**Group Members: Muhammad Furqan Waseem (28)**

**Muhammad Talha Sheikh (44)**

**Muzamil Ali Kazmi (30)**

**Zafar (17)**

**Batch: 10**

**Discipline: Bs.Cs**

**Resource Person: Miss Hira**

**Project Title: Salary Calculator**

## Contents

INTRODUCTION: .....	3
HEADER FILES: .....	4
VARIABLES:.....	4
CLASSES:.....	5
MEMBER FUNCTIONS: .....	5
INHERITANCE: .....	5
CLASS DIAGRAM: .....	6
LOGIN SYSTEM: .....	6
SALARY CALCULATOR: .....	9

## Introduction:

The project given to our group is “salary calculator”. I and my teammates have been working on this project since 5<sup>th</sup> of September. The project is made in c++. It mainly works using file handling and inheritance.

In this program, we used login system so that no one can access the system except the people who know the password. The passwords are stored in a text file. There is also a system present in case the user forgets his password. The user can change his password by simply clicking "forgot password" and then entering the correct pin code and writing the new password. The application takes the name, city name and cnic from the user of the required designation at the end it asks the basic salary after entering it gives the bonus and tax deducted on basic salary.

## HEADER FILES:

### 1. **#include <iostream>**

This is used for taking input/output from the user.

### 2. **#include <fstream>**

This header file is used for reading and writing purpose from the text file.

### 3. **#include <stdio.h>**

This header file is used for clearing the screen.

### 4. **#include <windows.h>**

This is used for invoking sleep function.

## VARIABLES:

### **String type variables:**

ceo\_name, asst\_name, hr\_name, clerk\_name, recpt\_name, prob\_name;

ceo\_city, asst\_city, hr\_city, clerk\_city, recpt\_city, prob\_city, ceo\_cnic.

### **Float type variables:**

bonus\_ceo, bonus\_asst, bonus\_hr, bonus\_clerk, bonus\_recpt, bonus\_prob, ceo\_tax, asst\_tax,

hr\_tax, clerk\_tax, recpt\_tax, prob\_tax, net\_sal\_ceo, net\_sal\_asst, net\_sal\_hr, net\_sal\_clerk,  
net\_sal\_recpt, net\_sal\_prob.

### **Integer type variables:**

choice, bsal\_ceo, bsal\_asst, bsal\_hr, bsal\_clerk, bsal\_recpt, bsal\_prob.

## CLASSES:

We used two classes in this project:

1. class Desiginfo
2. class Salaryinfo

## MEMBER FUNCTIONS:

Member functions of the classes:

1. **void** setname ()
2. **void** getname()
3. **void** setcity()
4. **void** getcity()
5. **void** setCnic()
6. **void** getCnic()
7. **void** calcsalary()

## INHERITANCE:

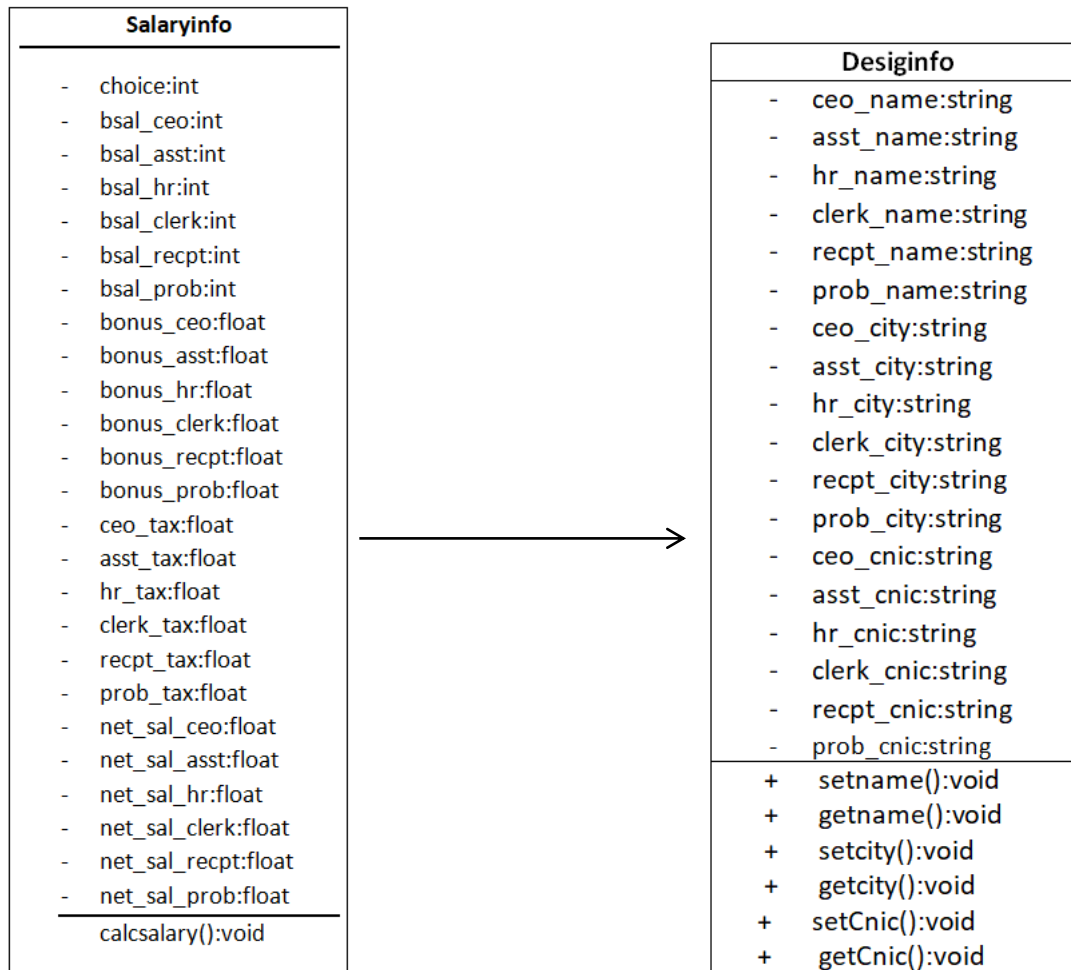
Syntax for inheritance:

```
class Salaryinfo:public Desiginfo
```

In this class salaryinfo is derived from parent class desiginfo,once we did inheritance than derived class is able to access all the member functions of the parent class and now we are able to call the member functions of the parent class by creating object of the derived class in the int main().

```
class Salaryinfo:public Desiginfo //inheritance of the child class with the parent cl
```

## CLASS DIAGRAM:



## LOGIN SYSTEM:



First of all it will ask the user enter password. And the program will read the password from the password.txt from the back end of the program.

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you enter the wrong password
you have 5 chances left
enter the password :
```

If the user enters the wrong password at first then it will ask the user enter the password again and displays that you have 5 chances left.

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you enter the wrong password
you have 4 chances left
enter the password : _
```

If user enters again the wrong password then it will display you have 4 chances left. It will ask the password again and again until the chances become 1.

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you enter the wrong password
you have 3 chances left
enter the password :
```

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you enter the wrong password
you have 2 chances left
enter the password : _
```

And at last

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you enter the wrong password
you have 1 chances left
enter the password : 12
your system is locked for 5 seconds please wait
_
```

If all the chances used then it will show your system has been locked for 5 seconds.

After 5 seconds it will ask the user enter the password again.

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you enter the wrong password
you have 1 chances left
enter the password : 12
your system is locked for 5 seconds please wait
enter the password :
```

If user again enters the wrong password 6 times it will show.

Press 1 if you want to reset the password.

```
"C:\Users\HP\Desktop\final semester project by group\project.exe"
you enter the wrong password
you have 1 chances left
enter the password : er
your system is locked for 5 seconds please wait
press 1 if you want to forget the password or press any button (except 1) to stop the program : _
```

```
enter the password : 1234
your system is locked for 5 seconds please wait
press 1 if you want to forget the password or press any button (except 1) to stop the program : 1
enter the pin code :
```

After pressing 1 it will ask the pin code. It asks enter the pin code. If user enters the wrong pin code it will display 3 chances are left.

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you have 3 chances left
enter the pin code : _
```

If user again enters the wrong pin code it will display 2 chances are left.

```
"C:\Users\HP\Desktop\final semester project by group\password.exe"
you have 2 chances left
enter the pin code : _
```

If user enters the wrong pin code third time it will display system is locked permanently.



```

"C:\Users\HP\Desktop\final semester project by group\password.exe"
you have 1 chances left

enter the pin code : 12333

your system is permanently locked :
Process returned 0 (0x0)   execution time : 25.487 s
Press any key to continue.

```

If user enters the correct pin code it will ask the user. It will ask the user enters the new password. And said displays restart the program.

```

"C:\Users\HP\Desktop\final semester project by group\project.exe"
you enter the wrong password

you have 1 chances left

enter the password : 4

your system is locked for 5 seconds please wait

press 1 if you want to forget the password or press any button (except 1) to stop the program : 1

enter the pin code : 1234

enter the new password : 12-4-9

restart the program
Process returned 0 (0x0)   execution time : 13.231 s
Press any key to continue.

```

If user enters the right password it will displays the salary calculator and ask the names for the required designation.

## SALARY CALCULATOR:

```

"C:\Users\HP\Desktop\final semester project by group\project.exe"
enter the password : 12-4-9

you have successfully login

*****
*   Salary Calculation System   *
*****

Enter the name of the CEO:

C:\Users\MuhammadTalha\Desktop\project.exe
*****
*   Salary Calculation System   *
*****

Enter the name of the CEO: Ali
Enter the name of the Assistant: Hamza
Enter the name of the HR: Rahat
Enter the name of the Clerk: Hamid
Enter the name of the Receptionist: Rabia
Enter the name of the Probation: Majeed

```

After entering the names of the required designation .It will asks the city of the required designation.

```

C:\Users\MuhammadTalha\Desktop\project.exe
*****
* Salary Calculation System *
*****
Enter the name of the CEO: Ali
Enter the name of the Assistant: Hamza
Enter the name of the HR: Rahat
Enter the name of the Clerk: Hamid
Enter the name of the Receptionist: Rabia
Enter the name of the Probation: Majeed

Enter the City of the CEO: Lahore
Enter the City of the Assistant: Faisalabad
Enter the City of the HR: Multan
Enter the City of the Clerk: Karachi
Enter the City of the Receptionist: Gujrawala
Enter the City of the Probation: Lahore_

```

After entering the cities it will asks the cnic.

```

C:\Users\MuhammadTalha\Desktop\project.exe
*****
* Salary Calculation System *
*****
Enter the name of the CEO: Ali
Enter the name of the Assistant: Hamza
Enter the name of the HR: Rahat
Enter the name of the Clerk: Hamid
Enter the name of the Receptionist: Rabia
Enter the name of the Probation: Majeed

Enter the City of the CEO: Lahore
Enter the City of the Assistant: Faisalabad
Enter the City of the HR: Multan
Enter the City of the Clerk: Karachi
Enter the City of the Receptionist: Gujrawala
Enter the City of the Probation: Lahore

Enter the Cnic no. of the CEO: 35202-58117739-1
Enter the Cnic no. of the Assistant: 35202-59117740-2
Enter the Cnic no. of the HR: 35202-60127841-3
Enter the Cnic no. of the Clerk: 35202-61137942-4
Enter the Cnic no. of the Receptionist: 35202-62148043-5
Enter the Cnic no. of the Probation: 35202-632248144-6

```

It will display the detail entered by the user.

```

Name of the CEO is: Ali
Name of the Assistant is: Hamza
Name of the HR is: Rahat
Name of the Clerk is: Hamid
Name of the Receptionist is: Rabia
Name of the Probation is: Majeed
City of the CEO is: Lahore
City of the Assistant is: Faisalabad
City of the HR is: Multan
City of the Clerk is: Karachi
City of the Receptionist is: Gujrawala
City of the Probation is: Lahore
Cnic no. of the CEO is: 35202-58117739-1
Cnic no. of the Assistant is: 35202-59117740-2
Cnic no. of the HR is: 35202-60127841-3
Cnic no. of the Clerk is: 35202-61137942-4
Cnic no. of the Receptionist is: 35202-62148043-5
Cnic no. of the Probation is: 35202-632248144-6
Enter the Basic Salary of the CEO:

```

Then it will ask the salary of the all designation. After getting the salary of the all designation it will asks the option whose (basic salary, bonus, tax deduction) salary you want to see.

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Cnic no. of the Assistant: 35202-59117740-2
Enter the Cnic no. of the HR: 35202-60127841-3
Enter the Cnic no. of the Clerk: 35202-61137942-4
Enter the Cnic no. of the Receptionist: 35202-62148043-5
Enter the Cnic no. of the Probation: 35202-632248144-6
Name of the CEO is: Ali
Name of the Assistant is: Hamza
Name of the HR is: Rahat
Name of the Clerk is: Hamid
Name of the Receptionist is: Rabia
Name of the Probation is: Majeed
City of the CEO is: Lahore
City of the Assistant is: Faisalabad
City of the HR is: Multan
City of the Clerk is: Karachi
City of the Receptionist is: Gujrawala
City of the Probation is: Lahore
Cnic no. of the CEO is: 35202-58117739-1
Cnic no. of the Assistant is: 35202-59117740-2
Cnic no. of the HR is: 35202-60127841-3
Cnic no. of the Clerk is: 35202-61137942-4
Cnic no. of the Receptionist is: 35202-62148043-5
Cnic no. of the Probation is: 35202-632248144-6
Enter the Basic Salary of the CEO: 96000
Enter the Basic Salary of the Assistant: 77332
Enter the Basic Salary of the HR: 66456
Enter the Basic Salary of the Clerk: 33566
Enter the Basic Salary of the Receptionist: 30000
Enter the Basic Salary of the Probation: 20000
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: _

```

If user press the 1 it will display the salary scenario (50 % bonus and 30% tax deduction on basic salary) of the Ceo. In case user enters the basic salary more 150,000 or less than 90,000 or enters the value in negative it will displays the error message.

```

C:\Users\MuhammadTalha\Desktop\project.exe
Name of the HR is: Rahat
Name of the Clerk is: Hamid
Name of the Receptionist is: Rabia
Name of the Probation is: Majeed
City of the CEO is: Lahore
City of the Assistant is: Faisalabad
City of the HR is: Multan
City of the Clerk is: Karachi
City of the Receptionist is: Gujrawala
City of the Probation is: Lahore
Cnic no. of the CEO is: 35202-58117739-1
Cnic no. of the Assistant is: 35202-59117740-2
Cnic no. of the HR is: 35202-60127841-3
Cnic no. of the Clerk is: 35202-61137942-4
Cnic no. of the Receptionist is: 35202-62148043-5
Cnic no. of the Probation is: 35202-632248144-6
Enter the Basic Salary of the CEO: 96000
Enter the Basic Salary of the Assistant: 77332
Enter the Basic Salary of the HR: 66456
Enter the Basic Salary of the Clerk: 33566
Enter the Basic Salary of the Receptionist: 30000
Enter the Basic Salary of the Probation: 20000
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 1
<----->
Basic Salary of the CEO must be greater than equal to 90k and less than equal to 150k
Bonus for the CEO Designation is the 50% of the Basic pay
Tax deduction for CEO Designation is the 30% of the net salary
<----->
Basic Salary of the CEO is: 96000
Bonus of the CEO is: 48000
Tax deducted from the CEO salary will be: 43200
Net Salary of the CEO : 100800
-----
Process exited after 760 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 2454524
Enter the Basic Salary of the Receptionist: 524
Enter the Basic Salary of the Probation: 32323
*****
* 1. CEO                      *
* 2. Assistant                *
* 3. HR                      *
* 4. Clerk                   *
* 5. Receptionist             *
* 6. Probation                *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 1
<----->
Basic Salary of the CEO must be greater than equal to 90k and less than equal to 150k
      Bonus for the CEO Designation is the 50% of the Basic pay
      Tax deduction for CEO Designation is the 30% of the net salary
<----->
Basic Salary of the CEO is:533535
Unable to compute Bonus because Basic Salary out of range
Unable to compute Tax Deduction because Basic Salary out of range
Unable to compute Net Salary because Basic Salary out of range
-----
Process exited after 35.82 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 4242424
Enter the Basic Salary of the Receptionist: 424141
Enter the Basic Salary of the Probation: 3646456
*****
* 1. CEO                      *
* 2. Assistant                *
* 3. HR                      *
* 4. Clerk                   *
* 5. Receptionist             *
* 6. Probation                *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 1
<----->
Basic Salary of the CEO must be greater than equal to 90k and less than equal to 150k
      Bonus for the CEO Designation is the 50% of the Basic pay
      Tax deduction for CEO Designation is the 30% of the net salary
<----->
Basic Salary of the CEO is:-3000
unable to compute bonus for this Designation
Unable to compute Tax Deduction for this Designation
Unable to compute Net Salary for this Designation
-----
Process exited after 42.66 seconds with return value 0
Press any key to continue . . .

```

If user press the 2 it will display the salary scenario (40 % bonus and 25% tax deduction on basic salary) of the Assistant. In case user enters the basic salary more 80,000 or less than 65,000 or enters the value in negative it will displays the error message.

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 5345343
Enter the Basic Salary of the Receptionist: 2424
Enter the Basic Salary of the Probation: 5355
*****
* 1. CEO                      *
* 2. Assistant                *
* 3. HR                      *
* 4. Clerk                   *
* 5. Receptionist             *
* 6. Probation                *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 2
<----->
Basic Salary of the Assistant must be greater than equal to 65k and less than equal to 80k
      Bonus for the Assistant Designation is the 40% of the Basic pay
      Tax deduction for Assistant Designation is the 25% of the net salary
<----->
Basic Salary of the Assistant is:75000
Bonus of the Assistant Designation is :30000
Tax deducted from the Assistant salary will be: 26250
Net Salary of the Assistant :78750
-----
Process exited after 51.79 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 53535
Enter the Basic Salary of the Receptionist: 4443435
Enter the Basic Salary of the Probation: 22424
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 2
<----->
Basic Salary of the Assistant must be greater than equal to 65k and less than equal to 80k
Bonus for the Assistant Designation is the 40% of the Basic pay
Tax deduction for Assistant Designation is the 25% of the net salary
<----->
Basic Salary of the Assistant is:81000
Unable to compute Bonus because Basic Salary out of range
Unable to compute Tax Deduction because Basic Salary out of range
Unable to compute Net Salary because Basic Salary out of range
-----
Process exited after 36.23 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 35353
Enter the Basic Salary of the Receptionist: 424
Enter the Basic Salary of the Probation: 5352
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 2
<----->
Basic Salary of the Assistant must be greater than equal to 65k and less than equal to 80k
Bonus for the Assistant Designation is the 40% of the Basic pay
Tax deduction for Assistant Designation is the 25% of the net salary
<----->
Basic Salary of the Assistant is:20000
Unable to compute Bonus for this Designation
Unable to compute Tax Deduction for this Designation
Unable to compute Net Salary for this Designation
-----
Process exited after 33.58 seconds with return value 0
Press any key to continue . . .

```

If user press the 3 it will displays the salary scenario (30 % bonus and 20% tax deduction on basic salary) of the HR. In case user enters the basic salary more 60,000 or less than 50,000 or enters the value in negative it will displays the error message.

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 442421
Enter the Basic Salary of the Receptionist: 41231
Enter the Basic Salary of the Probation: 1312
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 3
<----->
Basic Salary of the HR must be greater than equal to 50k and less than equal to 60k
Bonus for the HR Designation is the 30% of the Basic pay
Tax deduction for HR Designation is the 20% of the net salary
<----->
Basic Salary of the HR is:51000
Bonus of the HR Designation is :15300
Tax deducted from the HR salary will be: 13260
Net Salary of the HR :53040
-----
Process exited after 64.69 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 53353
Enter the Basic Salary of the Receptionist: 5353
Enter the Basic Salary of the Probation: 4242
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 3
<----->
Basic Salary of the HR must be greater than equal to 50k and less than equal to 60k
Bonus for the HR Designation is the 30% of the Basic pay
Tax deduction for HR Designation is the 20% of the net salary
<----->
Basic Salary of the HR is:62000
Unable to compute Bonus because Basic Salary out of range
Unable to compute Tax Deduction because Basic Salary out of range
Unable to compute Net Salary because Basic Salary out of range
-----
Process exited after 24.95 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 4244
Enter the Basic Salary of the Receptionist: 4424
Enter the Basic Salary of the Probation: 311245
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 3
<----->
Basic Salary of the HR must be greater than equal to 50k and less than equal to 60k
Bonus for the HR Designation is the 30% of the Basic pay
Tax deduction for HR Designation is the 20% of the net salary
<----->
Basic Salary of the HR is:-30000
unable to compute bonus for this Designation
Unable to compute Tax Deduction for this Designation
Unable to compute Net Salary for this Designation
-----
Process exited after 23.14 seconds with return value 0
Press any key to continue . . .

```

If user press the 4 it will displays the salary scenario (25 % bonus and 15% tax deduction on basic salary) of the Clerk. In case user enters the salary more 48,000 or less than 40,000 or enters the value in negative it will displays the error message.

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 45000
Enter the Basic Salary of the Receptionist: 5353
Enter the Basic Salary of the Probation: 53
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 4
<----->
Basic Salary of the Clerk must be greater than equal to 40k and less than equal to 48k
Bonus for the Clerk Designation is the 25% of the Basic pay :
Tax deduction for Clerk Designation is the 15% of the net salary :
<----->
Basic Salary of the Clerk: 45000
Bonus of the Clerk Designation is :11250
Tax deducted from the Clerk salary will be: 8437.5
Net Salary of the Clerk :47812.5
-----
Process exited after 26.37 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 35000
Enter the Basic Salary of the Receptionist: 535252
Enter the Basic Salary of the Probation: 242452
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 4
<----->
Basic Salary of the Clerk must be greater than equal to 40k and less than equal to 48k
Bonus for the Clerk Designation is the 25% of the Basic pay :
Tax deduction for Clerk Designation is the 15% of the net salary :
<----->
Basic Salary of the Clerk: 35000
Unable to compute Bonus because Basic Salary out of range
Unable to compute Tax Deduction because Basic Salary out of range
Unable to compute Net Salary because Basic Salary out of range
-----
Process exited after 19.88 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: -4653
Enter the Basic Salary of the Receptionist: 353535
Enter the Basic Salary of the Probation: 35353
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 4
<----->
Basic Salary of the Clerk must be greater than equal to 40k and less than equal to 48k
Bonus for the Clerk Designation is the 25% of the Basic pay :
Tax deduction for Clerk Designation is the 15% of the net salary :
<----->
Basic Salary of the Clerk: -4653
unable to compute bonus for this Designation
Unable to compute Tax Deduction for this Designation
Unable to compute Net Salary for this Designation
-----
Process exited after 27.51 seconds with return value 0
Press any key to continue . . .

```

If user press the 5 it will displays the salary scenario (20 % bonus and 10% tax deduction on basic salary) of the Receptionist. In case user enters the basic salary more 48,000 or less than 40,000 or enters the value in negative it will displays the error message.

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 53522
Enter the Basic Salary of the Receptionist: 32000
Enter the Basic Salary of the Probation: 64535
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 5
<----->
Basic Salary of the Receptionist must be greater than equal to 30k and less than equal to 38k
Bonus for the Receptionist Designation is the 20% of the Basic pay
Tax deduction for Receptionist is the 10% of the net salary
<----->
Basic Salary of the Receptionist is:32000
Bonus of the Receptionist is :6400
Tax deducted from the Receptionist salary will be: 3840
Net Salary of the Receptionist :34560
-----
Process exited after 73.46 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 45666
Enter the Basic Salary of the Receptionist: 39000
Enter the Basic Salary of the Probation: 535

*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****

Press any number from the choice (1-6) to calculate the net salary of the required designation: 5
<----->
Basic Salary of the Receptionist must be greater than equal to 38k and less than equal to 38k
Bonus for the Receptionist Designation is the 20% of the Basic pay
Tax deduction for Receptionist is the 10% of the net salary
<----->
Basic Salary of the Receptionist is:39000
Unable to compute Bonus because Basic Salary out of range
Unable to compute Tax Deduction because Basic Salary out of range
Unable to compute Net Salary because Basic Salary out of range

-----
Process exited after 33.62 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 6546
Enter the Basic Salary of the Receptionist: -35857
Enter the Basic Salary of the Probation: 4464

*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****

Press any number from the choice (1-6) to calculate the net salary of the required designation: 5
<----->
Basic Salary of the Receptionist must be greater than equal to 38k and less than equal to 38k
Bonus for the Receptionist Designation is the 20% of the Basic pay
Tax deduction for Receptionist is the 10% of the net salary
<----->
Basic Salary of the Receptionist is:-35857
Unable to compute bonus for this Designation
Unable to compute Tax Deduction for this Designation
Unable to compute Net Salary for this Designation

-----
Process exited after 31.11 seconds with return value 0
Press any key to continue . . .

```

If user press the 6 it will displays the salary scenario (5 % bonus and 7% tax deduction on basic salary) of the Probation. In case user enters the salary more 20,000 or less than 25,000 or enters the value in negative it will displays the error message.

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 35352
Enter the Basic Salary of the Receptionist: 5353
Enter the Basic Salary of the Probation: 23000

*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****

Press any number from the choice (1-6) to calculate the net salary of the required designation: 6
<----->
Basic Salary of the Probation must be greater than equal to 20k and less than equal to 25k
Bonus for the Probation Designation is the 05% of the Basic pay
Tax deduction for Probation is the 07% of the net salary
<----->
Basic Salary of the Probation is:23000
Bonus of the Probation is :1150
Tax deducted from the Probation salary will be: 1690.5
Net Salary of the Probation :22459.5

-----
Process exited after 38.27 seconds with return value 0
Press any key to continue . . .

```



```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 35353
Enter the Basic Salary of the Receptionist: 5353
Enter the Basic Salary of the Probation: 66000
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 6
<----->
Basic Salary of the Probation must be greater than equal to 20k and less than equal to 25k
    Bonus for the Probation Designation is the 05% of the Basic pay
    Tax deduction for Probation is the 07% of the net salary
<----->
Basic Salary of the Probation is:66000
Unable to compute Bonus because Basic Salary out of range
Unable to compute Tax Deduction because Basic Salary out of range
Unable to compute Net Salary because Basic Salary out of range
-----
Process exited after 22.58 seconds with return value 0
Press any key to continue . . .

```

```

C:\Users\MuhammadTalha\Desktop\project.exe
Enter the Basic Salary of the Clerk: 432
Enter the Basic Salary of the Receptionist: 44
Enter the Basic Salary of the Probation: -2334455
*****
* 1. CEO *
* 2. Assistant *
* 3. HR *
* 4. Clerk *
* 5. Receptionist *
* 6. Probation *
*****
Press any number from the choice (1-6) to calculate the net salary of the required designation: 6
<----->
Basic Salary of the Probation must be greater than equal to 20k and less than equal to 25k
    Bonus for the Probation Designation is the 05% of the Basic pay
    Tax deduction for Probation is the 07% of the net salary
<----->
Basic Salary of the Probation is:-2334455
unable to compute bonus for this Designation
Unable to compute Tax Deduction for this Designation
Unable to compute Net Salary for this Designation
-----
Process exited after 23.06 seconds with return value 0
Press any key to continue . . .

```