EMPLOYEE NETPAY GENERATION

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TOPIC : EMPLOYEE NETPAY GENERATION

ABSTRACT

"NetPay Generation " is one of the core area of your business. Usually, it is pursued to manage the employees the employee's expenses, Allowances, salary, Gross Salary, Deduction ,Tax and many more for a specific time period. Management and Accounting are two main essential parts for payroll.

Netpay is an area in which you do not want to take any risk because it leads to some financial and serious legal consequences. Netpay is a serious concems for every SME. It is mandatory for all business to pay every employees as per the government rules and regulations.

Furthermore, this project will develop for company management and enhance business in market and maintain the prestigious and reputation of the company. Others, this project to facilitate company to handle all the legal process and employee 's expenditure properly and systematically.

INTRODUCTION

Netpay is the process by which employers pay an employee for the work they have completed. Any business with employees should have a payroll process established; payroll is often the largest expense for a business. An effective and efficient payroll process will ensure that employees are paid accurately and consistently, keeping them satisfied with this aspect of employment and allowing HR to focus on other areas.

Netpay seems simple at its core, but becomes complicated because of the various deductions that come into play. Employers must withhold taxes from each paycheck and make sure accurate funds are paid to the correct government agency. Employers may also be responsible for deducting and paying premiums for insurance and depositing funds into retirement accounts or to selected charities.

Netpay processing duties can create a huge burden and unwanted stress for small business owners and can be overwhelming for large businesses. A missed deadline or incorrect filing of taxes can result in fines or jail time. To avoid these issues, small, middle-sized, and large businesses can all benefit from using Netpay systems

ANALYSIS

Objectives of the project.

- Manage Employee Information Efficiently.
- Define the emoluments, deductions, leave etc.
- Generate Pay-Slip at the convenience of a mouse dick.
- Generate and Manage the Payroll Processes according to the Salary Structure a signed to the employee.
- Generate all the Reports related to employee attendance/leave Netpay etc.
- Manage your own Security

It may be difficult to decide which system to choose. But there are some factors to keep in mind when deciding. First analyse the size of your business and decide how much you are willing to spend on payroll processing While it is possible for smaller business to handle payroll duties in house through a manual process, much time can be wasted while attempting to calculate everything correctly. One miscalculation and the business owner could find themselves in legal or financial troubles. Mid–sized companies up to 100 employees benefit greatly by investing in a payroll system .

Requirement Specification

Name of component	Specification
Operating system	Windows 7 or more
Language Used	C
IDE	Code Blocks or Turbo C
Processor	Intel i3 and above
RAM size	2GB or above
Hard disk	200 GB or more
Monitor	15” color
Keyboard	122 keys
Data structures	Linked list

DESIGN

- **Algorithm to insert an element in the linked list.**

Begin

➔ Get the No. of Employees from the user
➔ Create Nodes
➔ Get the Data from the User

PRINT

1. Employee Name. (Accept input)
2. Employee ID. (Accept input)
3. Employee Working Experience, Age. (Accept input)
4. Enter Address, Basic Salary. (Accept input)

End.

- **Algorithm to delete an element in a linked list .**

Begin

➔ Get the ID from the user which has to be deleted
➔ Assign the pointer to the beginning of the list
➔ Loop will check until the encounter the ID to be deleted
➔ User enter ID = to the ID in the list
True: Delete the node and make the appropriate links

False: Print the ID is not found

➔ To continue , Go back to step 1
If no, Go back to main menu

End.

- **Algorithm to Display elements of a single linked**

Begin

➔ Display the option
1. Display all the details
2. Display only particular employee details

➔ Assign pointer to the beginning of the list

➔ If option is 1
- Then run the for loop and print all the employee details

➔ If option is 2
- Then get the employee ID from the user which has to be displayed
- Traverse the list and search for ID and display that particular employee detail

➔ To continue, go back to step 1
If no, go back to main menu

End

- **Algorithm to search elements of a single linked lists**

Begin

➔ Display option for search
1. Search by ID
2. Search by Name

➔ Assign the pointer to the beginning of the lists

➔ If option is 1
- Get the ID from the user
- Search for ID in the list

➔ User input ID = To the ID in the list

True: Display the information of that employee

False: Print ID is not found

➔ If the option is 2
- Get the name from the user
- Assign pointer to the beginning
- Search for the name
- User input name = name in the list

True : Print the details of the user name

False: Print name not found

➔ Display option to search ,if they want to continue.

Or else go back to main menu

- **Algorithm to sort an element in a linked lists.**

Begin

➔ Display the option to sort
1. Sort based on ID
2. Sort based on Basic Salary
3. Sort based on Working Experience

➔ If the option is 1
- Assign pointers to the beginning
- Run the for loop and sort the list based on basic salary
- Display the sorted list

➔ If the option is 2
- Assign the pointer to the beginning
- Run the for loop and sort the list based on basic salary
- Display the sorted list

➔ If the option is 3
- Assign pointers to the beginning
- Run the for loop and sort the list
- Display the sorted list

➔ Display the option to sort or Go back to main menu

End

- **Algorithm to salary function**

  Begin

  ➔ Calculate the salary

  - HRA = 0.8*ba ; =>House rent allowance
  - DA = 0.15*ba; =>Dearness allowance
  - CCA =0.4*ba; =>City Compensatory allowance
  - NS =HRA + DA + CCA

  ➔ Display the salary

  End

IMPLEMENTATION

1. To Insert:

Void INSERT()
Begin
Step 1 Read the element into x
Step 2 Create an temp node in memory as follows
temp=(struct node *)size of (node)
Step 3 Set the values in temp node as follows
temp-> info =x
temp->next=null
Step 4 Search the element after which node will be inserted
current =SEARCH()
Step 5 insert temp node offer current node as follows
temp->next =current -> next
current->next=temp
End.

2. To Display:

```
void DISPLAY ()
Begin
current=head
while (current != null)
{
Print "current -> info"
current =current ->next
}
End
```

3 . To Delete:

```
Void Del()
Begin
Step 1: If FIRST = NULL then
   Write “Linked List is Empty”
Step 2: If FIRST->LINK = NULL then
   Return FIRST->INFO
   FIRST=NULL
   Else
   Return FIRST->INFO
   FIRST=FIRST->LINK
Step 3: Exit
End
```

4.To Sort:

```
Void sort()
Begin
Step1:    Repeat up to step 4 for I = 1 to N
Step2:    KEY = a [I]
Step3:    Repeat step 4 for J = I to 0
          If KEY < a [J - 1] then
Step4:  TEMP = a [J]
        a [J] = a [J - 1]
        a [J - 1] = TEMP

 End
```

5.To Search:

```
Void search()
Begin
found =0
current =head
while (current !=null)
{
if(current ->info=x
{
found=1
break
}
```

```
current=current->next
}
if(found=1)
print ”Element found”
else
print “Not found"
End.
```

Sample Output

INSERT:

```
        Enter your choice:2
        Contents Of The List:-


Employee Name:                  ¦ SK
Employee Designation:           ¦ MANAGER
Employee Basic Pay:             ¦ 77000.000000
Medical Reimbursement:          ¦ 3850.00
Conveyance:                     ¦ 2310.00
Bonus:                          ¦ 4620.00
Dearness Allowance:             ¦ 2310.00
HRA:                            ¦ 5390.00
Provisional Funds:              ¦ 3850.00
TOTAl EARNINGS                  ¦ 95480.00
```

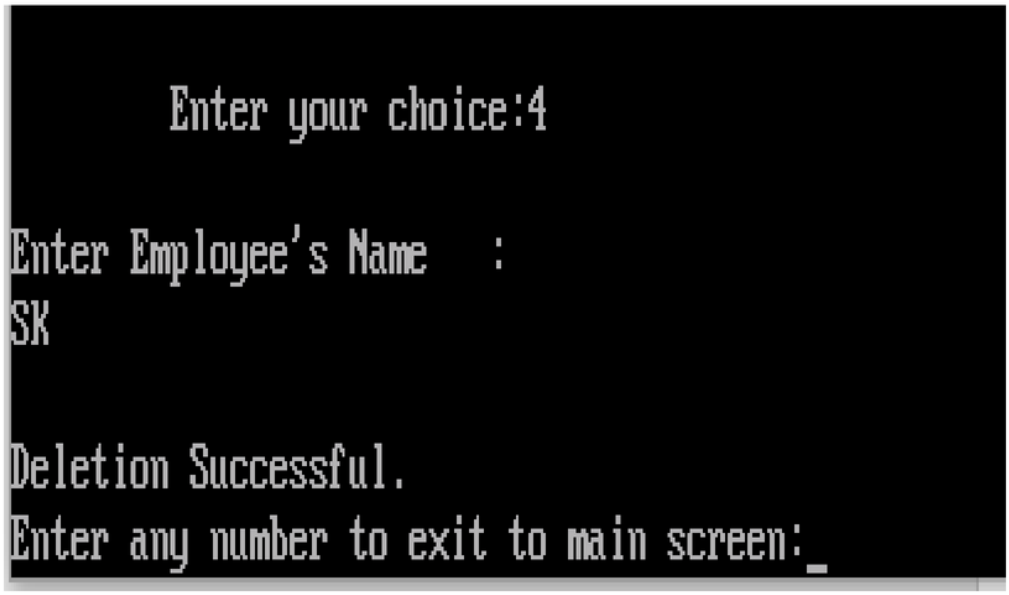
DISPLAY:

```
        Enter your choice:3

Enter Employee's Name    :
Sk
        ENTRY FOUND:

Employee Name:                    ¦ SK
Employee Designation:             ¦ MANAGER
Employee Basic Pay:               ¦ 77000.00
Medical Reimbursement:            ¦ 3850.00
Conveyance:                       ¦ 2310.00
Bonus:                            ¦ 4620.00
Dearness Allowance:               ¦ 2310.00
HRA:                              ¦ 5390.00
Provisional Funds:                ¦ 3850.00
TOTAL EARNINGS                    ¦ 95480.00
```

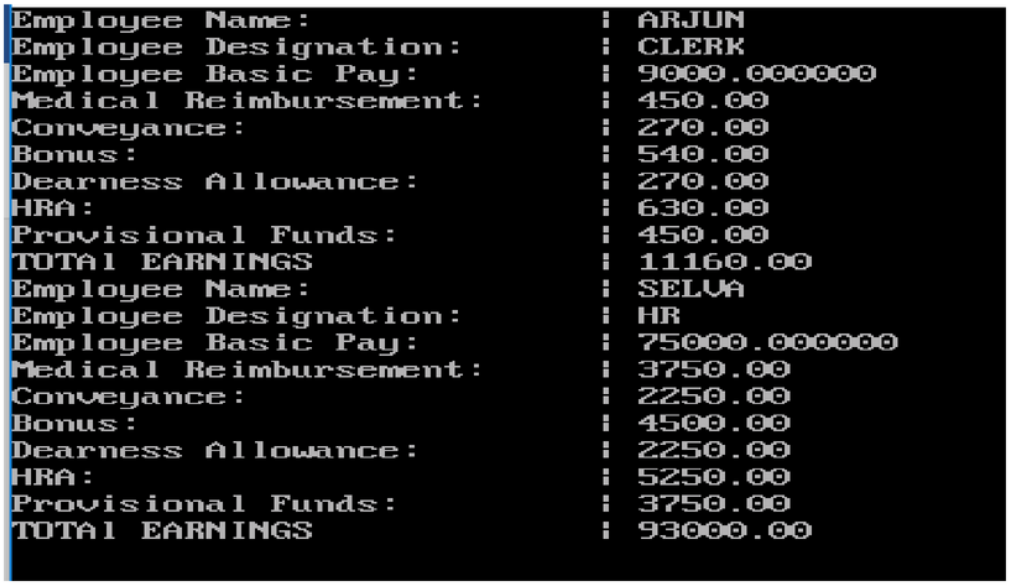
DELETE:


Enter your choice:4
Enter Employee's Name :
SK
Deletion Successful.
Enter any number to exit to main screen:_

DISPLAY:

```
Employee Name:                  : ARJUN
Employee Designation:           : CLERK
Employee Basic Pay:             : 9000.000000
Medical Reimbursement:          : 450.00
Conveyance:                     : 270.00
Bonus:                          : 540.00
Dearness Allowance:             : 270.00
HRA:                            : 630.00
Provisional Funds:              : 450.00
TOTAl EARNINGS                  : 11160.00
Employee Name:                  : SELVA
Employee Designation:           : HR
Employee Basic Pay:             : 75000.000000
Medical Reimbursement:          : 3750.00
Conveyance:                     : 2250.00
Bonus:                          : 4500.00
Dearness Allowance:             : 2250.00
HRA:                            : 5250.00
Provisional Funds:              : 3750.00
TOTAl EARNINGS                  : 93000.00
```

SORT:


Employee Name: | ARJUN
Employee Designation: | CLERK
Employee Basic Pay: | 9000.000000
Medical Reimbursement: | 450.00
Conveyance: | 270.00
Bonus: | 540.00
Dearness Allowance: | 270.00
HRA: | 630.00
Provisional Funds: | 450.00
TOTAl EARNINGS | 11160.00
Employee Name: | SELVA
Employee Designation: | HR
Employee Basic Pay: | 75000.000000
Medical Reimbursement: | 3750.00
Conveyance: | 2250.00
Bonus: | 4500.00
Dearness Allowance: | 2250.00
HRA: | 5250.00
Provisional Funds: | 3750.00
TOTAl EARNINGS | 93000.00

Conclusion:

"Employee Netpay Generation" software developed for a company has been designed to achieve maximum efficiency and reduce the time taken to handle the Payroll activity. It is designed to replace an existing manual record system thereby reducing time taken for calculations and for storing data. The system uses Asp .Net as front end and Microsoft SQL as a backend for the database. The system is strong enough to withstand regressive daily operations under conditions where the database is maintained and cleared over a certain time of span. The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports.

EMPLOYEE NETPAY GENERATION

ORIGINALITY REPORT

4%	%	4%	%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

1	Ogwo Eme, Uchenna Ugboaja C. A., Faustina Odinakachi Uwazuruike, Chukwu Uka Ukpai. "Computer – based Drug Sales and Inventory Control System and its Applications in Pharmaceutical Stores", International Journal of Education and Management Engineering, 2018 Publication	4%

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GRADEMARK REPORT

FINAL GRADE

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GENERAL COMMENTS

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