**Assignment 3**

***Exercise 1*** *(3 mark)*

Write application allow user input a chain of char. This chain is saved in an array of char. Write ***void reversit( char[]) to*** reverse the chain of char. Print the result.

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Enter a string: TheString

Reversed string is: gnirtSehT

***Exercise 2*** *(7 mark)*

Develop an application to mange salary factor for jobs in the following table:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Job** | **SNNB(\*)** | **Level** | **Level** | **Level** | **Level** | **Level** | **Level** | **Level** |
|  |  |  |  |  |  |  |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| 1 | Chuyên viên | 3 | 2.34 | 2.67 | 3 | 3.33 | 3.66 | 3.99 | 4.32 |
| 2 | Kế toán viên | 3 | 2.35 | 2.68 | 3 | 3.34 | 3.67 | 3.99 | 4.33 |
| 3 | Nghiên cứu viên | 3 | 2.36 | 2.69 | 3 | 3.35 | 3.68 | 3.99 | 4.34 |
| 4 | Kỹ sư | 3 | 2.37 | 2.70 | 3 | 3.36 | 3.69 | 3.99 | 4.35 |
| 5 | Giảng viên | 3 | 2.38 | 2.71 | 3 | 3.37 | 3.70 | 3.99 | 4.36 |
| 6 | Giáo viên trung học | 3 | 2.39 | 2.67 | 3 | 3.38 | 3.71 | 3.99 | 4.37 |
| 7 | Thư viện viên | 3 | 2.40 | 2.66 | 3 | 3.39 | 3.72 | 3.99 | 4.38 |
| 8 | Huấn luyện viên | 3 | 2.41 | 2.65 | 3 | 3.33 | 3.73 | 3.99 | 4.39 |

(\*) SNNB: Number of year to upgrade to salary level.

Requirements:

* Input basic salary. Salary of employee is calculate by factor\*basic salary.
* Search salary factor by job and level.
* Update salary factor
* View salary of employee: the user input job id and years of working, by using SNNB, calculate the level and current salary of employee.

Main menu of application

1. Input basic salary

2. Search salary factor

3. Update salary factor

4. View salary

5. Exit

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***Function 1: Input basic salary:***

Salary management system

1. Input basic salary

2. Search salary factor

3. Update salary factor

4. View salary

5. Exit

Choose service: 1

Input basic salary (VND):

***Function 2: Search salary factor:***

Salary management system

1. Input basic salary

2. Search salary factor

3. Update salary factor

4. View salary

5. Exit

Choose service: 2

***Menu: Search salary factor ->Choose job jd, level***

Choose job:

1. Chuyen vien

2. Ke toan vien

3. Nghien cuu sinh

4. Ky su

5. Giang vien

6. Giao vien trung hoc

7. Thu vien vien

8. Huan luyen vien

9. Quay lai menu chinh

Choose job: 1

Choose level [1-7]: 1

Job: Chuyen vien

Level: 1

Factor: 2.34

***Function 3: Update salary factor***

Salary management system

1. Input basic salary

2. Search salary factor

3. Update salary factor

4. View salary

5. Exit

Choose service : 3

Choose job:

1. Chuyen vien

2. Ke toan vien

3. Nghien cuu sinh

4. Ky su

5. Giang vien

6. Giao vien trung hoc

7. Thu vien vien

8. Huan luyen vien

9. Quay lai menu chinh

Choose job: 3

Choose level [1-7]: 3

Input salary factor: 3.2

***Function 4: View salary of employee:***

Salary management system

1. Input basic salary

2. Search salary factor

3. Update salary factor

4. View salary

5. Exit

Choose service: 4

Choose job:

1. Chuyen vien

2. Ke toan vien

3. Nghien cuu sinh

4. Ky su

5. Giang vien

6. Giao vien trung hoc

7. Thu vien vien

8. Huan luyen vien

9. Quay lai menu chinh

Choose job: 2

Number of working year: 10

Salary: 3600000 VND