**Assignment #2 - Payroll**

Programmer: Victor Espinoza

SID: 010657450

CECS 475, Section 3; Tu/Th 2:00 - 4:15 P.M.

Lab Section 4

Due: Thursday, February 4, 2016

Console Output:

Employees processed polymorphically:

salaried employee: John Smith

social security number: 111-11-1111

weekly salary: $700.00

earned $700.00

salaried employee: Antonio Smith

social security number: 555-55-5555

weekly salary: $800.00

earned $800.00

salaried employee: Victor Smith

social security number: 444-44-4444

weekly salary: $600.00

earned $600.00

hourly employee: Karen Price

social security number: 222-22-2222

hourly wage: $16.75; hours worked: 40.00

earned $670.00

hourly employee: Ruben Zamora

social security number: 666-66-6666

hourly wage: $20.00; hours worked: 40.00

earned $800.00

commission employee: Sue Jones

social security number: 333-33-3333

gross sales: $10,000.00

commission rate: 0.06

earned $600.00

base-salaried commission employee: Bob Lewis

social security number: 777-77-7777

gross sales: $5,000.00

commission rate: 0.04; base salary: $300.00

new base salary with 10% increase is: $330.00

earned $530.00

base-salaried commission employee: Lee Duarte

social security number: 888-88-888

gross sales: $5,000.00

commission rate: 0.04; base salary: $300.00

new base salary with 10% increase is: $330.00

earned $530.00

User Menu:

1. Sort last name in ascending order using IComparable.

2. Sort pay amount in descending order using IComparer.

3. Sort by social security number in ascending order using a

selection sort and delegate.

4. Exit program

Please enter the number of the command you wish to execute:

(1 <= command number =< 4):

1

You chose command #1: Sort by last name in ascending order

using IComparable.

Sorted Result:

1. Lee Duarte

2. Sue Jones

3. Bob Lewis

4. Karen Price

5. Antonio Smith

6. John Smith

7. Victor Smith

8. Ruben Zamora

User Menu:

1. Sort last name in ascending order using IComparable.

2. Sort pay amount in descending order using IComparer.

3. Sort by social security number in ascending order using a

selection sort and delegate.

4. Exit program

Please enter the number of the command you wish to execute:

(1 <= command number =< 4):

2

You chose command #2: Sort by pay amount in descending order

using IComparer.

Sorted Result:

1. Antonio Smith - Payment Amount: $800.00

2. Ruben Zamora - Payment Amount: $800.00

3. John Smith - Payment Amount: $700.00

4. Karen Price - Payment Amount: $670.00

5. Sue Jones - Payment Amount: $600.00

6. Victor Smith - Payment Amount: $600.00

7. Lee Duarte - Payment Amount: $530.00

8. Bob Lewis - Payment Amount: $530.00

User Menu:

1. Sort last name in ascending order using IComparable.

2. Sort pay amount in descending order using IComparer.

3. Sort by social security number in ascending order using a

selection sort and delegate.

4. Exit program

Please enter the number of the command you wish to execute:

(1 <= command number =< 4):

3

You chose command #3: Sort by social security number in

ascending order using a selection sort and delegate

Sorted Result:

1. John Smith - SSN: 111-11-1111

2. Karen Price - SSN: 222-22-2222

3. Sue Jones - SSN: 333-33-3333

4. Victor Smith - SSN: 444-44-4444

5. Antonio Smith - SSN: 555-55-5555

6. Ruben Zamora - SSN: 666-66-6666

7. Bob Lewis - SSN: 777-77-7777

8. Lee Duarte - SSN: 888-88-888

User Menu:

1. Sort last name in ascending order using IComparable.

2. Sort pay amount in descending order using IComparer.

3. Sort by social security number in ascending order using a

selection sort and delegate.

4. Exit program

Please enter the number of the command you wish to execute:

(1 <= command number =< 4):

1234

The number provided was not within the appropriate range of permissible

values. Please enter an integer value between 1 and 4...

User Menu:

1. Sort last name in ascending order using IComparable.

2. Sort pay amount in descending order using IComparer.

3. Sort by social security number in ascending order using a

selection sort and delegate.

4. Exit program

Please enter the number of the command you wish to execute:

(1 <= command number =< 4):

av

Invalid user input. Please enter an INTEGER value between 1 and 4...

User Menu:

1. Sort last name in ascending order using IComparable.

2. Sort pay amount in descending order using IComparer.

3. Sort by social security number in ascending order using a

selection sort and delegate.

4. Exit program

Please enter the number of the command you wish to execute:

(1 <= command number =< 4):

4

You chose command #4:

You will now exit the program...

Your session has been terminated. Thank you for using this program.

Click any key to close this window..