Activity 8: LINQ and Lambda Part 1

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CST-350

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June 25, 2023

Screenshots:

A screenshot of a computer

Description automatically generated

Here you can see that we created an array of “scores”, then initialized the system to print each of these scores in the console.

A screenshot of a computer

Description automatically generated

Here we added a LINQ statement to filter out all of the scores that were 90 or above.

A screenshot of a computer

Description automatically generated

Here we used a LINQ statement to sort the scores from low to high.

A screenshot of a computer

Description automatically generated

Here is the result of the challenge. Here we used a LINQ statement to sort and print all of the “B” students in order from low to high.

LINQ Actors part:

A screenshot of a computer

Description automatically generated with medium confidence

Here we used a for loop to select the actors who have grossed $400 million dollars or more.

A screenshot of a computer program

Description automatically generated with medium confidence

Here we used a LINQ query statement to select the actors who have grossed $400 million dollars or more.

A screenshot of a computer

Description automatically generated

Here we used a Lambda expression to select the actors who have grossed $400 million dollars or more.

A screenshot of a computer

Description automatically generated

Here we used a standard for look to sort and print all of the actors who have an even number of films.

A screenshot of a computer

Description automatically generated

Here is the same list as before but instead of using a for loop, we used a LINQ query statement to sort out all of the actors with an even number of movies.

A screenshot of a computer

Description automatically generated

And lastly here is that same list gathered by using a Lambda expression. We have gotten the same results using each of the 3 methods shown.

A screen shot of a black background

Description automatically generated with low confidence

Here we used a standard for loop statement to sort out and print the actors who have been in Star Wars movies.

A screen shot of a black screen

Description automatically generated with low confidence

Here is the same list as above but instead of a for loop statement, we used a LINQ query statement to achieve the same results.

A screen shot of a black screen

Description automatically generated with low confidence

Lastly we have the same results as the 2 previous lists by using a Lambda expression to get the same result.

A screenshot of a computer

Description automatically generated

Here used the LINQ group method to group and print the actors Top movie title. The key to this grouping is their top movie.

A screenshot of a computer

Description automatically generated

Here you can see the same actor grouping as before. This time we used a Lambda expression to group the actors by their top movie.