

## Documentation

Report 1. When I input an ID, I expect an output of the animal's Information from the table related to the ID:

Enter ID:	<input type="text" value="1001"/>																
<table><tr><th>ID</th><th>water needed</th><th>Daily Cost</th><th>Weight</th><th>Age</th><th>Colour</th><th>Type</th><th>Milk made</th></tr><tr><td>1001</td><td>23.5kg</td><td>\$46</td><td>400kg</td><td>7</td><td>Red</td><td>Cow</td><td>23.5kg</td></tr></table>		ID	water needed	Daily Cost	Weight	Age	Colour	Type	Milk made	1001	23.5kg	\$46	400kg	7	Red	Cow	23.5kg
ID	water needed	Daily Cost	Weight	Age	Colour	Type	Milk made										
1001	23.5kg	\$46	400kg	7	Red	Cow	23.5kg										

Report 2. When called, it will calculate all profit make by each animal and add them together to display the total profit the farm has made.

Total Profit/Lose
<input type="text" value="\$13,733.23 per day"/>

Report 3. When called, it calculates and displays the approximate amount of tax per month

Total Government tax
<input type="text" value="\$2.96 Per Month"/>

Report 4. When called, I expect it add all milk collected and display it.

Total Milk from goat and cows
<input type="text" value="103.90 kg"/>

Report 5: I expect that by adding up animals age and counting no. of animals, I can find the average age of farm animals (except the dog)

Average age
<input type="text" value="5"/>

Report 6. When called, I expect to the calculate the profit of Goats&Cows and the profit of Sheep, find the average between those two and display them been compared.

Average Profit  
CowsGoats Vs. Sheep  
-\$1.47 | \$2,291.08

Report 7. When called, expect to calculate Dogs Cost and Other Animal Cost and display comparing them

Dogs Cost:All Cost  
1:9

Report 8. I expect the algorithm to take the profit and sorting them in ascending order with their ID and output it to a text file.

ID	Profit
1003	-\$11.01
1101	-\$9.02
1104	-\$8.42
1004	-\$6.10
1106	-\$5.31
1102	-\$4.19
1105	-\$0.79
1007	-\$0.79
1103	\$0.06
1002	\$0.07
1000	\$0.53
1100	\$1.04
1107	\$1.53
1005	\$2.19
1006	\$3.62
1001	\$17.71
3001	\$1,733.55
3007	\$1,965.29
3006	\$2,079.18
3000	\$2,079.40
3003	\$2,194.21
3004	\$2,542.30
3002	\$2,543.96
3005	\$2,655.86

Report 9. When called, expect to display the ratio between animals with red color and other colors

Red : All color  
1:3

Report 10 When called, expect to calculate the total Jersey Cow tax and display it.

Jersey\_Tax

\$0.06 per day

11. When called, expect all information from hashtable to be print out over the entered age number.

Enter age:

1101	2.2kg	\$14	16kg	5	Black	Goat	4kg
1102	2.2kg	\$15	16kg	6	Black	Goat	2kg
1103	2.7kg	\$14	17kg	7	Red	Goat	3kg
1104	2.9kg	\$14	16kg	8	White	Goat	4kg

12. When called, expect to approximate amount of profit earned from all Jersey Cow

Total profit  
From JersyCow

\$17.78