Farm.java Method Returns:

**Add Method:**

Returns ArrayList<details> for the date passed as argument.

ArrayList<details>:

|  |  |
| --- | --- |
| farmID | milkWeight |
| 3 | 67 |
| 4 | 54 |

**Same return for edit and remove functions.**

**Farm Report:**

Returns ArrayList<details> for the farmID passed for the entire year.

Example:

farm.add("01032020", "2", "3");

farm.add("01042020", "2", "8");

farm.add("01052020", "2", "7");

farm.add("02052020", "2", "4");

farm.add("01312020", "2", "12");

farm.add("11302020", "2", "420");

farm.add("12102020", "2", "20");

ArrayList<Farm.details> list = farm.farmReport("2", "2020");

ArrayList<details>:

|  |  |  |
| --- | --- | --- |
| farmID | milkWeight | Month |
| 2 | 30 | 1 |
| 2 | 4 | 2 |
| 2 | 420 | 11 |
| 2 | 20 | 12 |

Month 1 = January, 2 = Feb, etc.

Sorted by Month

**Annual Report:**

Returns ArrayList<details> for all farms in the specified year.

Example:

farm.add("01032020", "2", "3");

farm.add("01042020", "2", "8");

farm.add("01052020", "3", "7");

farm.add("02052020", "3", "4");

farm.add("01312020", "5", "12");

farm.add("11302020", "4", "420");

farm.add("12102020", "4", "20");

farm.add("12152020", "10", "22");

ArrayList<Farm.details> list = farm.annualReport("2020");

|  |  |
| --- | --- |
| FarmID | milkWeight |
| 2 | 11 |
| 3 | 11 |
| 3 | 440 |
| 5 | 12 |
| 10 | 22 |

Sorted by FarmID.

**Same for Date-Range Report.**