Gebze Technical University
Computer Engineering

CSE 222 - 2019 Spring

HOMEWORK 1 REPORT

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1 INTRODUCTION

1.1 Problem Definition

Self definition of a single linked list and provide some operations over it.

2 METHOD

2.1 Problem Solution Approach

addExp(Experiment) : There is 3 possibilities to add: adding a new day,adding first day of list,and adding and extra experiment to list.This method takes this three situations to handle.

getExp(day, index) : First save the head then go and find day.If could not find it return null.If finds the day then go to index.If could not find, it return null.Else return Experiment.

setExp(day, index, E) : Finds the node like getExp then change it with given Experiment.

removeExp(day, index): There is 3 possibilities to handle:remove the experiment from a day,remove a day(cause there is only 1 experiment in that day.),and removing head.This method takes this tree situations to handle.

listExp(day): Finds the day like getExp then prints all experiments in that day to the screen.

removeDay(day) : Finds the day like getExp then remove all its experiments by deleting link to it.

orderDay(day): Finds the day like getExp then by using bubble sort changes its data between nodes.

orderExperiments(): Create a ExperimentList then clone the original list to it.And then order it by bubble sort like oerderDay.

	addExp	getExp	setExp	removeExp	listExp	removeDay	orderDay	orderExperiments
Big O nota.	O(n)	O(n)	O(n)	O(n)	O(n)	O(n)	O(n^2)	O(n^2)

3 RESULT

3.1 Test Cases

I appended some other test cases other then your driver class and this is those:

```java
System.out.println("---------------------");
System.out.println("Original list:");
list.listAll();
System.out.println("---------------------");
System.out.println("orderday(3) Result:");
list.orderDay(3);
list.listAll();
```

3.2 Running Results

```
---------------------
Add new experiment:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
---------------------
Add new experiment:
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
---------------------
Add new experiment:
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
---------------------
Add new experiment:
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
```

List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}

Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}

Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Add new experiment:
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

Add new experiment:
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}

Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

Add new experiment:
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

Add new experiment:
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

Add new experiment:

Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

Add new experiment:
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

Add new experiment:
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}

List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

Add new experiment:
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}

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Add new experiment:
Experiment{setup='setup19', day=3, time='timeInfo', accuracy=1.9, completed=true}
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup19', day=3, time='timeInfo', accuracy=1.9, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
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getExp(0,3) Result:
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.3, completed=true}
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setExp(0,3), accuracy=1.0
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getExp Result:
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
----------------------
listExp(0) Result:
Experiment{setup='setup2', day=0, time='timeInfo', accuracy=0.2, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
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removeExp(0,0) Result:
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
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Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup19', day=3, time='timeInfo', accuracy=1.9, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup11', day=1, time='timeInfo', accuracy=1.1, completed=true}
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removeExp(1,0) Result:
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup19', day=3, time='timeInfo', accuracy=1.9, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup15', day=1, time='timeInfo', accuracy=1.5, completed=true}
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removeExp(1,0) Result:
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
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Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}

Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup19', day=3, time='timeInfo', accuracy=1.9, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
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removeExp(3,6) Result:
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
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orderExperiment Result:
List experiment view:
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}

Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
List day view:
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}

Original list:
List experiment view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup1', day=2, time='timeInfo', accuracy=0.1, completed=true}
Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}
Experiment{setup='setup12', day=3, time='timeInfo', accuracy=1.2, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
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orderday(3) Result:
List experiment view:
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Experiment{setup='setup5', day=2, time='timeInfo', accuracy=0.5, completed=true}
Experiment{setup='setup7', day=2, time='timeInfo', accuracy=0.7, completed=true}
Experiment{setup='setup10', day=2, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup8', day=0, time='timeInfo', accuracy=0.8, completed=true}
Experiment{setup='setup13', day=0, time='timeInfo', accuracy=1.0, completed=true}
Experiment{setup='setup14', day=0, time='timeInfo', accuracy=1.4, completed=true}
Experiment{setup='setup17', day=0, time='timeInfo', accuracy=1.7, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}
Experiment{setup='setup16', day=3, time='timeInfo', accuracy=1.6, completed=true}
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Experiment{setup='setup9', day=3, time='timeInfo', accuracy=0.9, completed=true}

Experiment{setup='setup6', day=3, time='timeInfo', accuracy=0.6, completed=true}
Experiment{setup='setup3', day=3, time='timeInfo', accuracy=0.3, completed=true}
List day view:
Experiment{setup='setup0', day=2, time='timeInfo', accuracy=0.0, completed=true}
Experiment{setup='setup4', day=0, time='timeInfo', accuracy=0.4, completed=true}
Experiment{setup='setup18', day=3, time='timeInfo', accuracy=1.8, completed=true}