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OOP-Final Report (Outputs)

Splitting data properly and find the number of men, women and unisex perfumes in dataset

```
var path = "perfume-data.txt";  
Parfume pf = new Parfume(path);  
  
var array2D :string[,] = pf.txtToArray();  
  
pf.showMenWomenNumbers();
```

```
"D:\JetBrains Rider 2020.2.4\plugins\dpa\Dot  
nalP\00P_FinalP\bin\Debug\00P_FinalP.exe
```

```
No. of Women Parfume: 11567
```

```
No. of Men Parfume: 4087
```

```
No. of Unisex Parfume: 5182
```

Proper search method to find by name

```
pf.findByName(s: "Avenue Femme");
```

Parfumes whose name including 'Avenue Femme'

10th Avenue Femme 10th Avenue Karl Antony for women =>floral:130;green:110;umn:1;day:100;night:1

```
pf.findByName(s: "Orchidee");
```

Parfumes whose name including 'Orchidee'

1) Orchidee Blanche Acorelle for women =>vanilla:130;fruity:62;powdery:58;sweet:20

2) L'Aimant Caresse d'Orchidee Coty for women =>woody:130;floral:126;powdery:50;day:100;night:50

3) ShanghaiJava Blue Orchidee Crazylibellule and the Poppies for women =>citrus:40;spring:40;summer:20;autumn:30;day:30;night:10

4) Orangerie Orchidee Faberlic for women =>floral:130;fresh:53;sweet:44;musky:0

5) L'Orchidee Terrible Imaginary Authors for women and men =>aldehydic:130;floral:29;autumn:18;day:40;night:37

6) Orchidee Blanche L'Artisan Parfumeur for women and men =>powdery:130;vanilla:1;autumn:1;day:25;night:1

7) Precieuse Orchidee Le Prince Jardinier for women =>powdery:130;floral:103;autumn:100;day:100;night:100

8) L'Orchidee Leonard for women =>woody:130;powdery:111;floral:76;vanilla:73;

9) Collection Extraordinaire Orchidee Vanille Van Cleef & Arpels for women =>summer:11;autumn:32;day:35;night:26

10) Nuit d'Orchidee Yves Rocher for women =>floral:130;sweet:74;powdery:56;lemon:1

11) Orchidee Yves Rocher for women =>floral:130;fresh spicy:73;warm spicy:63;

Filtering by Accords

```
array2D = pf.filterByAccord( condition: "autumn<5", array2D);  
array2D = pf.filterByAccord( condition: "winter>15", array2D);  
array2D = pf.filterByAccord( condition: "summer<50", array2D);  
array2D = pf.filterByAccord( condition: "loved>50", array2D);  
array2D = pf.filterByAccord( condition: "day<50", array2D);  
array2D = pf.filterByAccord( condition: "warm spicy<80", array2D);  
pf.showFilteredAccords(array2D);
```

7 perfume found matching the features you are looking for

1) Khaltat Al Maha Al Haramain Perfumes for women and men

oud:130;rose:111;warm spicy:62;woody:37;balsamic:26;fresh spicy:26;loved:100;liked:33;disliked:1;winter:33;spring:1;summer:1;autumn:1;day:1;night:66

2) Bliss Black Phoenix Alchemy Lab for women and men

cacao:130;sweet:104;warm spicy:39;loved:100;liked:83;disliked:33;winter:16;spring:1;summer:1;autumn:1;day:16;night:1

3) Earth Capricorn CnR Create for women

musky:130;amber:104;powdery:81;floral:73;warm spicy:57;loved:100;liked:1;disliked:1;winter:50;spring:1;summer:1;autumn:1;day:1;night:50

4) Reese's Peanut Butter Cups Demeter Fragrance for women and men

cacao:130;sweet:104;warm spicy:39;loved:60;liked:60;disliked:100;winter:20;spring:1;summer:1;autumn:1;day:20;night:1

5) Sultane Parfum Fatal Jeanne Arthes for women

vanilla:130;sweet:114;coffee:91;warm spicy:68;white floral:59;loved:100;liked:100;disliked:100;winter:100;spring:100;summer:1;autumn:1;day:1;night:100

6) Six Scents Series Three 4 Rad Hourani: Ascent Six Scents for women and men

balsamic:130;powdery:107;musky:101;smoky:71;warm spicy:55;loved:100;liked:100;disliked:25;winter:25;spring:25;summer:1;autumn:1;day:25;night:1

7) Oud The Spirit of Dubai for women and men

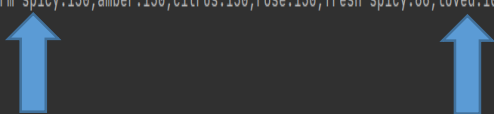
oud:130;woody:72;warm spicy:57;sweet:36;patchouli:30;white floral:30;loved:100;liked:20;disliked:20;winter:20;spring:1;summer:1;autumn:1;day:1;night:1

Suggesting Closest Perfume for Given Accords

```
pf.suggestClosest("warm spicy=130","loved=100");
```

Closest perfume for given accords:

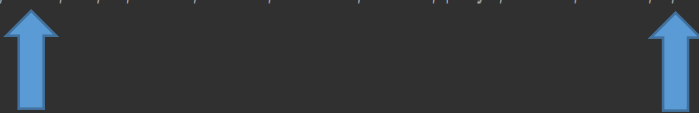
Masari (Women) Abdul Samad Al Qurashi for women => warm spicy:130;amber:130;citrus:130;rose:130;fresh spicy:66;loved:100;liked:1;disliked:100;winter:1;spring:100;summer:100;autumn:1;day:100;night:1



```
pf.suggestClosest("day=50","rose=35");
```

Closest perfume for given accords:

Make Me Happy Bubble Grape Canmake for women => sweet:130;fruity:108;green:51;rose:36;musky:36;loved:25;liked:100;disliked:25;winter:25;spring:1;summer:50;autumn:25;day:50;night:1



Process finished with exit code 0

```
pf.suggestClosest("amber=30","citrus=70");
```

Closest perfume for given accords:

Isabel Tocca for women => rose:130;citrus:72;woody:38;amber:35;leather:35;loved:100;liked:92;disliked:46;winter:11;spring:53;summer:46;autumn:26;day:65;night:30

