```
PS C:\Users\Clem\Desktop\local code\170\proj2\output> & .\'project2.exe'
Welcome to Clement Chen's Feature Selection Algorithm.
Please enter total number of features: 4
Type the number of the algorithm you want to run.

1. Forward Selection
2. Backward Elimination
3. Special (implement ltr)
1
Beginning search...
Using feature(s) { 1 } accuracy is 0.41%
Using feature(s) { 2 } accuracy is 84.67%
Using feature(s) { 3 } accuracy is 63.34%
Using feature(s) { 4 } accuracy is 65.00%
Feature set { 2 } was best, accuracy is 84.67%

Using feature(s) { 2 1 } accuracy is 91.69%
Using feature(s) { 2 3 } accuracy is 57.24%
Using feature(s) { 2 4 } accuracy is 14.78%
Feature set { 2 1 } was best, accuracy is 91.69%

Using feature(s) { 2 1 3 } accuracy is 93.58%
Using feature(s) { 2 1 4 } accuracy is 69.62%
Feature set { 2 1 3 } was best, accuracy is 93.58%

Using feature(s) { 2 1 3 4 } accuracy is 44.64%
Feature set { 2 1 3 4 } was best, accuracy is 44.64%


Finished search!! The best feature subset is { 2 1 3 }, which has an accuracy of 93.58%
PS C:\Users\Clem\Desktop\local code\170\proj2\output> cd 'c:\Users\Clem\Desktop\local
code\170\proj2\output'
PS C:\Users\Clem\Desktop\local code\170\proj2\output> & .\'project2.exe'
Welcome to Clement Chen's Feature Selection Algorithm.
Please enter total number of features: 4
Type the number of the algorithm you want to run.

1. Forward Selection
2. Backward Elimination
3. Special (implement ltr)
2
Using all features { 1 2 3 4 } accuracy is 0.41%
Beginning search.
Using feature(s) { 2 3 4 } accuracy is 84.67%
```

Using feature(s) { 1 3 4 } accuracy is 63.34%
Using feature(s) { 1 2 4 } accuracy is 65.00%
Using feature(s) { 1 2 3 } accuracy is 91.69%
Feature set { 1 2 3 } was best, accuracy is 91.69%
Using feature(s) { 2 3 } accuracy is 57.24%
Using feature(s) { 1 3 } accuracy is 14.78%
Using feature(s) { 1 2 } accuracy is 93.58%
Feature set { 1 2 } was best, accuracy is 93.58%
Using feature(s) { 2 } accuracy is 69.62%
Using feature(s) { 1 } accuracy is 44.64%
Feature set { 2 } was best, accuracy is 69.62%
Finished search!! The best feature subset is { 1 2 }, which has an accuracy of 93.58%
PS C:\Users\Clem\Desktop\local code\170\proj2\output>