

Speed rate analysis:

Example1 Size 1000 students;

```
Time taken to read file :  
1 ms  
Time taken to sort file :  
1 ms  
Time taken to split file :  
2 ms
```

Example 2 Size 10k students:

```
Time taken to output two new files :  
6886 ms
```

Example3 Size 100k students:

```
Time taken to output two new files :  
65234 ms
```

Example 4 Size 1m students:

```
Time taken to read file :  
13 ms
```

Example 5 size 10m students:

```
Time taken to read file :  
16 ms
```