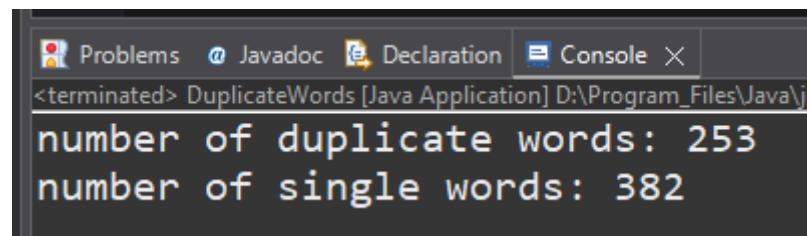
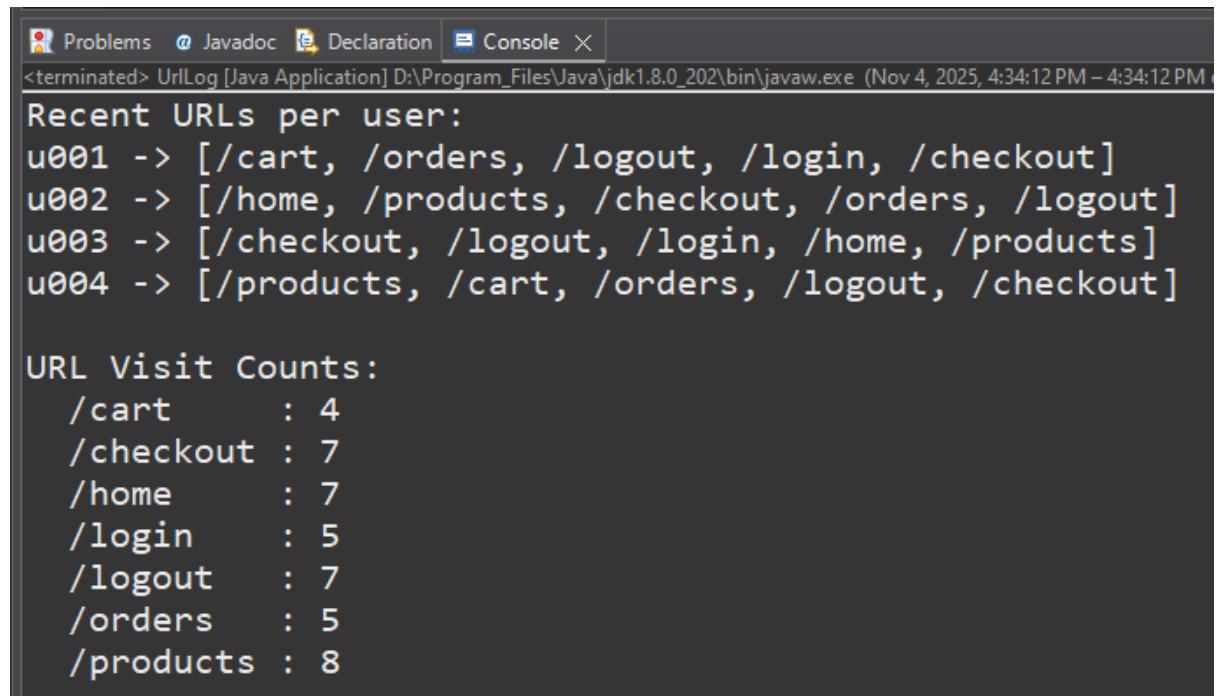


### Part I – OUTPUT



```
<terminated> DuplicateWords [Java Application] D:\Program_Files\Java\j
number of duplicate words: 253
number of single words: 382
```

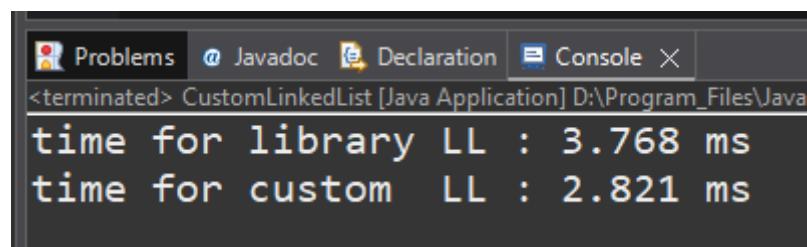
### Part II – OUTPUT



```
<terminated> UrlLog [Java Application] D:\Program_Files\Java\jdk1.8.0_202\bin\javaw.exe (Nov 4, 2025, 4:34:12 PM – 4:34:12 PM)
Recent URLs per user:
u001 -> [/cart, /orders, /logout, /login, /checkout]
u002 -> [/home, /products, /checkout, /orders, /logout]
u003 -> [/checkout, /logout, /login, /home, /products]
u004 -> [/products, /cart, /orders, /logout, /checkout]

URL Visit Counts:
/cart      : 4
/checkout : 7
/home     : 7
/login    : 5
/logout   : 7
/orders   : 5
/products : 8
```

### Part III – OUTPUT



```
<terminated> CustomLinkedList [Java Application] D:\Program_Files\Java
time for library LL : 3.768 ms
time for custom LL : 2.821 ms
```