Kết quả lab04-OOP

4

```
********************CART*********************
Ordered Items
1. DVD — The Lion King — Animation — Roger Allers — 87: 19.95$
2. DVD — Star Wars — Science Fiction — George Lucas — 87: 24.95$
3. DVD — Animation — Aladin — null — 0: 18.99$
Total cost: 63.89$
******************************************************
```

```
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Total cost: 63.89$
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DVD Title: The Lion King — Category: Animation — Director: Roger Allers — Length: 87 min — Cost: 19.95$
DVD Title: Star Wars — Category: Science Fiction — Director: George Lucas — Length: 87 min — Cost: 24.95$
No DVD found with title: Unknown
```

5

```
Testing addDVD method:
DVD "The Lion King" has been added to the store.
DVD "Star Wars" has been added to the store.
DVD "Animation" has been added to the store.
Number of DVDs in store after adding: 3

Testing removeDVD method:
DVD "Star Wars" has been removed from the store.
Number of DVDs in store after removing: 2
DVD "Harry Potter" not found in the store.
```

6

```
Time for String: 200 ms
Time for StringBuilder: 3 ms
Time for StringBuffer: 3 ms
```

```
GarbageCreator [Java Application] /Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home/bin/java  (20:57:09 25 thg 4, 2025 elapsed: 0:03:53) [pid: 13075]
File size: 10485760 bytes
```

```
Time for NoGarbage: 26 ms
Length of resulting string: 10485760
```

7

```
Testing play functionality:
Playing DVD: The Lion King
DVD length: 87
DVD "Invalid DVD" cannot be played because its length is 0
Playing CD: Greatest Hits
CD length: 3
Playing Track: Song 1
Track length: 3
Track "Song 2" cannot be played because its length is 0
```