

CENG218 Labwork 7

Implement the following class:

```
GameLibrary
+ GameLibrary()
+ sortByName(): void
+ sortByPrice(): void
+ sortByDiscount(): void
+ sortByDiscountedPrice(): void
+ list(): void
+ insert(string, int, int): void
+ remove(string): void
- names: string[]
- prices: int[]
- discountPercentages: int[]
- discountedPrices: int[]
- size: int
```

Write a menu driven program similar to the sample output presented below:

1. Display library
2. Add game
3. Remove game
4. Sort library by game names
5. Sort library by game prices
6. Sort library by game discount percentages
7. Sort library by discounted game prices
8. Exit

Your choice: 2

Enter game details: Cyberpunk2077 249 50

...

Your choice: 1

Name	Price	Percentage	DiscountedPrice
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EldenRing	499 TL	0%	499.00 TL
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Cyberpunk	249 TL	50%	124.50 TL
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Hitman3	299 TL	25%	224.25 TL
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...

Your choice: 5

Games are sorted by price.

...

Your choice: 1

Name	Price	Percentage	DiscountedPrice
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Cyberpunk	249 TL	50%	124.50 TL
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Hitman3	299 TL	25%	224.25 TL
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EldenRing	499 TL	0%	499.00 TL
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