

Veri Yapılar ve Algoritmalar Ödev 2

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Video Linki: https://www.youtube.com/watch?v=-U6_tIUv-2M

Ekran çıktıları:

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Please enter the number of users (K): 5
Please enter the total number of songs (N): 50
User 1's Playlist
1. Sultans of Swing | 6 min 08 sec
2. Uptown Funk | 3 min 58 sec
3. Every Breath You Take | 4 min 13 sec
4. Bad Guy | 3 min 18 sec
5. Hotel California | 6 min 30 sec
6. Rolling in the Deep | 4 min 08 sec
7. Born to Run | 4 min 39 sec
8. Mr. Brightside | 3 min 33 sec

User 2's Playlist
1. Shallow | 3 min 36 sec
2. Don't Stop Believin' | 4 min 01 sec
3. More Than a Feeling | 4 min 06 sec
4. Come As You Are | 4 min 28 sec
5. Back in Black | 4 min 11 sec
6. Seven Nation Army | 3 min 53 sec
7. November Rain | 9 min 18 sec
8. Smells Like Teen Spirit | 5 min 03 sec
9. Shape of You | 3 min 23 sec
10. Wonderwall | 4 min 56 sec
11. Bad Guy | 3 min 18 sec
12. Bad Guy | 3 min 18 sec

User 3's Playlist
1. Havana | 3 min 39 sec
2. Uptown Funk | 3 min 58 sec
3. Paint It Black | 3 min 07 sec
4. Thinking Out Loud | 4 min 26 sec
5. Thinking Out Loud | 4 min 26 sec
6. Seven Nation Army | 3 min 53 sec
7. Shape of You | 3 min 23 sec
8. Wonderwall | 4 min 56 sec
9. More Than a Feeling | 4 min 06 sec
10. Another Brick in the Wall | 4 min 21 sec
11. Wish You Were Here | 5 min 02 sec
12. Like a Rolling Stone | 6 min 09 sec

User 4's Playlist
1. Come As You Are | 4 min 28 sec
2. Africa | 4 min 53 sec
3. Despacito | 4 min 49 sec
4. Shallow | 3 min 36 sec
5. Smells Like Teen Spirit | 5 min 03 sec
6. Come As You Are | 4 min 28 sec
7. Thinking Out Loud | 4 min 26 sec

User 5's Playlist
1. Come As You Are | 4 min 28 sec
2. Enter Sandman | 4 min 23 sec
3. Thinking Out Loud | 4 min 26 sec
4. Whole Lotta Love | 6 min 57 sec
5. Havana | 3 min 39 sec
6. Don't Stop Me Now | 3 min 24 sec
7. Don't Stop Me Now | 3 min 24 sec
8. Seven Nation Army | 3 min 53 sec

--- Simulating User 1 ---

[4] User listens to: Hotel California
[4] User listens to: Sultans of Swing
[-3] User listens to: Rolling in the Deep
[-4] User listens to: Uptown Funk
[-2] User listens to: Mr. Brightside

-_ Top10 List _-
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1. Hotel California | Duration: 6 dk 30 sn | Listens: 1
2. Sultans of Swing | Duration: 6 dk 08 sn | Listens: 1
3. Rolling in the Deep | Duration: 4 dk 08 sn | Listens: 1
4. Uptown Funk | Duration: 3 dk 58 sn | Listens: 1
5. Mr. Brightside | Duration: 3 dk 33 sn | Listens: 1
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--- Simulating User 2 ---

[1] User listens to: Don't Stop Believin'
[2] User listens to: Come As You Are
[-5] User listens to: Bad Guy
[-3] User listens to: Smells Like Teen Spirit
[0] User listens to: Smells Like Teen Spirit
[6] User listens to: Don't Stop Believin'
[4] User listens to: Seven Nation Army
[-3] User listens to: More Than a Feeling
[-2] User listens to: Shallow

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Top10 List _
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1. Smells Like Teen Spirit | Duration: 10 dk 06 sn | Listens: 2
2. Don't Stop Believin' | Duration: 8 dk 02 sn | Listens: 2
3. Hotel California | Duration: 6 dk 30 sn | Listens: 1
4. Sultans of Swing | Duration: 6 dk 08 sn | Listens: 1
5. Come As You Are | Duration: 4 dk 28 sn | Listens: 1
6. Rolling in the Deep | Duration: 4 dk 08 sn | Listens: 1
7. More Than a Feeling | Duration: 4 dk 06 sn | Listens: 1
8. Uptown Funk | Duration: 3 dk 58 sn | Listens: 1
9. Seven Nation Army | Duration: 3 dk 53 sn | Listens: 1
10. Shallow | Duration: 3 dk 36 sn | Listens: 1

--- Simulating User 3 ---

[1] User listens to: Uptown Funk
[4] User listens to: Seven Nation Army
[-2] User listens to: Thinking Out Loud
[-3] User listens to: Havana
[2] User listens to: Paint It Black
[-6] User listens to: More Than a Feeling
[-3] User listens to: Seven Nation Army
[-1] User listens to: Thinking Out Loud
[6] User listens to: Wish You Were Here

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Top10 List _
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1. Seven Nation Army | Duration: 11 dk 39 sn | Listens: 3
2. Smells Like Teen Spirit | Duration: 10 dk 06 sn | Listens: 2
3. Thinking Out Loud | Duration: 8 dk 52 sn | Listens: 2
4. More Than a Feeling | Duration: 8 dk 12 sn | Listens: 2
5. Don't Stop Believin' | Duration: 8 dk 02 sn | Listens: 2
6. Uptown Funk | Duration: 7 dk 56 sn | Listens: 2
7. Hotel California | Duration: 6 dk 30 sn | Listens: 1
8. Sultans of Swing | Duration: 6 dk 08 sn | Listens: 1
9. Wish You Were Here | Duration: 5 dk 02 sn | Listens: 1
10. Come As You Are | Duration: 4 dk 28 sn | Listens: 1

--- Simulating User 4 ---

[2] User listens to: Despacito
[4] User listens to: Thinking Out Loud

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Top10 List _
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1. Thinking Out Loud | Duration: 13 dk 18 sn | Listens: 3
2. Seven Nation Army | Duration: 11 dk 39 sn | Listens: 3
3. Smells Like Teen Spirit | Duration: 10 dk 06 sn | Listens: 2
4. More Than a Feeling | Duration: 8 dk 12 sn | Listens: 2
5. Don't Stop Believin' | Duration: 8 dk 02 sn | Listens: 2
6. Uptown Funk | Duration: 7 dk 56 sn | Listens: 2
7. Hotel California | Duration: 6 dk 30 sn | Listens: 1
8. Sultans of Swing | Duration: 6 dk 08 sn | Listens: 1
9. Wish You Were Here | Duration: 5 dk 02 sn | Listens: 1
10. Despacito | Duration: 4 dk 49 sn | Listens: 1

--- Simulating User 5 ---

[0] User listens to: Come As You Are

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Top10 List _
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1. Thinking Out Loud | Duration: 13 dk 18 sn | Listens: 3
2. Seven Nation Army | Duration: 11 dk 39 sn | Listens: 3
3. Smells Like Teen Spirit | Duration: 10 dk 06 sn | Listens: 2
4. Come As You Are | Duration: 8 dk 56 sn | Listens: 2
5. More Than a Feeling | Duration: 8 dk 12 sn | Listens: 2
6. Don't Stop Believin' | Duration: 8 dk 02 sn | Listens: 2
7. Uptown Funk | Duration: 7 dk 56 sn | Listens: 2
8. Hotel California | Duration: 6 dk 30 sn | Listens: 1
9. Sultans of Swing | Duration: 6 dk 08 sn | Listens: 1
10. Wish You Were Here | Duration: 5 dk 02 sn | Listens: 1