Programiz JavaScript Online Compiler

main.js

Share Run

Output

```
// 💼 1. HR Management System
// Original Array:
// let employees = ["Amit", "Sneha", "Ravi", "John", "Neha"];
// Scenario: Move "John" to the top of the list so he appears first in the
    employee dashboard.



let employees = ["Amit", "Sneha", "Ravi", "John", "Neha"];

employees.unshift("john")
console.log(employees)
```

```
[ 'john', 'Amit', 'Sneha', 'Ravi', 'John', 'Neha' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 🔄 2. Online Learning Platform
// Original Array:
// let courses = ["HTML", "CSS", "JavaScript", "Python", "SQL"];

// Scenario: A student mistakenly enrolled in "Python" twice. Remove the
    second instance.

let courses = ["HTML", "CSS", "JavaScript", "Python", "SQL"];

 courses.splice(3,1);

console.log(courses);

```

```
[ 'HTML', 'CSS', 'JavaScript', 'SQL' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 🛒 3. E-commerce Website
// Original Array:
// let cart = ["T-shirt", "Shoes", "Jeans", "Cap"];

// Scenario: Insert a "Wallet" item right after "Shoes".


let cart = ["T-shirt", "Shoes", "Jeans", "Cap"];

cart.splice(2,0,"Wallet")

console.log(cart)
```

```
[ 'T-shirt', 'Shoes', 'Wallet', 'Jeans', 'Cap' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 🏥 4. Hospital Management App

// Original Array:
// let patients = ["Rina", "Ayaan", "Soham", "Deep", "Nisha"];

// Scenario: Remove "Soham" as he was mistakenly added twice in the system
    .

let patients = ["Rina", "Ayaan", "Soham", "Deep", "Nisha"];

patients.splice(2,1)

console.log(patients)
```

```
[ 'Rina', 'Ayaan', 'Deep', 'Nisha' ]

=== Code Execution Successful ===
```

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```
// 🎓 5. School Admin Portal

// Original Array:
// let subjects = ["Math", "Science", "English", "History", "Geography"];

// Scenario: A student resubmitted "Science Project" — insert "Science
    Project (Revised)" just after "Science".

let subjects = ["Math", "Science", "English", "History", "Geography"];

subjects.splice(2,0,"Science Project(Revised)")

console.log(subjects)

```

Output

```
[
  'Math',
  'Science',
  'Science Project(Revised)',
  'English',
  'History',
  'Geography'
]

=== Code Execution Successful ===
```

Programiz JavaScript Online Compiler

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```
1  // 🎬 6. Movie Streaming App
2
3  // Original Array:
4  // let watchlist = ["Inception", "Interstellar", "Tenet", "Dunkirk"];
5
6  // Scenario: Move "Tenet" to the start of the watchlist.
7
8  let watchlist = ["Inception", "Interstellar", "Tenet", "Dunkirk"];
9
10 let i = watchlist.indexOf("Tenet");
11
12 // console.log(i)
13
14 watchlist.splice(i,1);
15
16 // console.log(watchlist)
17
18 watchlist.unshift("Tenet")
19 console.log(watchlist);
```

Output

```
[ 'Tenet', 'Inception', 'Interstellar', 'Dunkirk' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 📦 7. Warehouse Inventory System
// Original Array:
// let items = [ "Box D","Box A", "Box B", "Box C", "Box E"];

// Scenario: Due to a packing error, "Box C" and "Box D" must be removed.

let items = [ "Box D","Box A", "Box B", "Box C", "Box E"];

items.splice(0,1)
items.splice(2,1)

console.log(items)

```

```
[ 'Box A', 'Box B', 'Box E' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 📈 8. Finance Dashboard
// Original Array:
// let transactions = ["Salary", "Groceries", "Electricity", "Dining",
    "Internet"];

// Scenario: Create a snapshot of the middle 3 expenses ("Groceries" to
    "Dining") for analysis.


let transactions = ["Salary", "Groceries", "Electricity", "Dining",
    "Internet"];

let snapshot =  transactions.slice(1,4);
console.log(snapshot)

```

```
[ 'Groceries', 'Electricity', 'Dining' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 🏠 9. Property Listing Website
// Original Array:
// let properties = ["Villa", "Apartment", "Studio", "Penthouse",
    "Farmhouse"];

// Scenario: Display only the last 3 property types as a "Luxury Picks"
    carousel.

let properties =["Villa", "Apartment", "Studio", "Penthouse", "Farmhouse"]
    ;

let Luxury_Picks = properties.slice(-3)
console.log(Luxury_Picks)

```

```
[ 'Studio', 'Penthouse', 'Farmhouse' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 🚒 10. Emergency Alert App
// Original Array:

// let alerts = ["Fire", "Earthquake", "Flood", "Tornado", "Storm"];

// Scenario: Temporarily display only the first 3 alerts on a widget.

let alerts = ["Fire", "Earthquake", "Flood", "Tornado", "Storm"];

let NewArr = alerts.slice(0,3)

console.log(NewArr)

```

```
[ 'Fire', 'Earthquake', 'Flood' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 11. Travel Planner App
// Original Array:
// let itinerary = ["Flight", "Hotel", "Car Rental", "City Tour",
    "Dinner"];

// Scenario: The user cancelled "City Tour" – remove it from the plan.


let itinerary = ["Flight", "Hotel", "Car Rental", "City Tour", "Dinner"];


itinerary.splice(3,1)
console.log(itinerary)

```

```
[ 'Flight', 'Hotel', 'Car Rental', 'Dinner' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
1
2  // 🧠 12. Mental Health Tracker
3  // Original Array:
4  // let moods = ["Happy", "Anxious", "Calm", "Stressed", "Content"];
5
6  // Scenario: Move "Calm" to the end of the list to reflect mood
       progression.
7
8
9  let moods = ["Happy", "Anxious", "Calm", "Stressed", "Content"];
10
11 let n = moods.splice(2,1)
12 // console.log(n)
13
14 // moods.push(n)
15
16 moods.push("Calm")
17 console.log(moods)
```

```
[ 'Happy', 'Anxious', 'Stressed', 'Content', 'Calm' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
// 📅 13. Task Management Tool
// Original Array:
// let tasks = ["Meeting", "Report", "Email", "Presentation", "Review"];

// Scenario: Replace "Email" with "Client Email" for clarity.



let tasks = ["Meeting", "Report", "Email", "Presentation", "Review"];

tasks.splice(2,1,"Client Email")

console.log(tasks)
```

```
[ 'Meeting', 'Report', 'Client Email', 'Presentation', 'Review' ]

=== Code Execution Successful ===
```

main.js

Share Run

Output

```
1  // 👦 14. Daycare App
2  // Original Array:
3  // let kids = ["Aarav", "Mira", "Kabir", "Nina", "Vivaan"];
4
5  // Scenario: Insert "Snack Break" between "Kabir" and "Nina" in the daily
       schedule.
6
7
8  let kids = ["Aarav", "Mira", "Kabir", "Nina", "Vivaan"];
9
10 kids.splice(2,0,"Snack Break")
11
12 console.log(kids)
```

```
[ 'Aarav', 'Mira', 'Snack Break', 'Kabir', 'Nina', 'Vivaan' ]

=== Code Execution Successful ===
```

main.js

Share Run

```
// 📊 15. Sales CRM Dashboard
// Original Array:
// let leads = ["Google", "Amazon", "Microsoft", "Netflix", "Tesla"];

// Scenario: Remove "Netflix" and place it at the bottom for de
    -prioritization

let leads = ["Google", "Amazon", "Microsoft", "Netflix", "Tesla"];

leads.splice(3,1)

console.log(leads)

leads.push("Netflix")

console.log(leads)

```

Output

```
[ 'Google', 'Amazon', 'Microsoft', 'Tesla' ]
[ 'Google', 'Amazon', 'Microsoft', 'Tesla', 'Netflix' ]

=== Code Execution Successful ===
```