

MERN STACK DEVELOPMENT

JS Arrays & Objects – Task 3

1. For the given JSON iterate over all for loops (for, for in, for of, forEach)

```
// JSON Data (Array of Objects)
let givenData = [
  { player: "Dhoni", age: 39, team: "CSK" },
  { player: "Rohit", age: 33, team: "MI" },
  { player: "Virat", age: 32, team: "RCB" },
];
```

Input

```
// Iteration using for loop
for (let i = 0; i < givenData.length; i++) {
  console.log(givenData[i]);
}
```

Output

▶ {player: 'Dhoni', age: 39, team: 'CSK'}	script.js:10
▶ {player: 'Rohit', age: 33, team: 'MI'}	script.js:10
▶ {player: 'Virat', age: 32, team: 'RCB'}	script.js:10
>	

Input

```
// Iteration using for in loop
for (let i in givenData) {
  console.log(i, givenData[i]);
}
```

Output

0 ▶ {player: 'Dhoni', age: 39, team: 'CSK'}	ript.js:15
1 ▶ {player: 'Rohit', age: 33, team: 'MI'}	ript.js:15
2 ▶ {player: 'Virat', age: 32, team: 'RCB'}	ript.js:15
>	

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Input

```
// Iteration using for of loop
for (let i of givenData) {
  console.log(i);
}
```

Output

```
▶ {player: 'Dhoni', age: 39, team: 'CSK'} script.js:20
▶ {player: 'Rohit', age: 33, team: 'MI'} script.js:20
▶ {player: 'Virat', age: 32, team: 'RCB'} script.js:20
> |
```

Input

```
// Iteration using forEach loop
givenData.forEach(function (i) {
  console.log(i);
});
```

Output

```
▶ {player: 'Dhoni', age: 39, team: 'CSK'} script.js:25
▶ {player: 'Rohit', age: 33, team: 'MI'} script.js:25
▶ {player: 'Virat', age: 32, team: 'RCB'} script.js:25
>
```