

# Assignment Solution

## Data Structure : Arrays and Objects (Part 1)



## Problem 1

Program to demonstrate Object destructuring in nested objects

**Solution:**

```
const movie = {
  name: 'Spiderman',
  genre: 'action',
  theatres: {
    imax: 'chennai',
    pvr: 'mumbai'
  },
  collection: '100cr',
  hit: function () {
    return `${name}, is hit`;
  },
  flop: function () {
    return `${name}, is flop`;
  },
};

const { name, hit, theatres } = movie;

console.log(hit())
const { imax, pvr } = theatres;
console.log("theatres locations are", imax, 'and', pvr)
```

**Output:**

Spiderman, is hit

theatres locations are chennai and mumbai

Code Link: <https://jsfiddle.net/saravananslb/fea6t0y9/>

## Problem 2

Program to clone the object and change the property and then iterate the array of objects using inbuilt functions and to console the object property and frame a meaning full sentence.

### Solution:

```
const movie = [{
  name: 'Spiderman',
  genre: 'action',
  collection: '100cr',
  hit: function () {
    return `${this.name}, is hit`;
  },
  flop: function () {
    return `${this.name}, is flop`;
  },
},
{
  name: 'Batman',
  genre: 'action',
  collection: '120cr',
  hit: function () {
    return `${this.name}, is hit`;
  },
  flop: function () {
    return `${this.name}, is flop`;
  },
},
],

const cloneMovie = Object.assign({}, movie);

for ([key, value] of Object.entries(cloneMovie)){
  console.log(`Movie ${value.hit()}`)
}
```

### Output:

Movie Spiderman, is hit

Movie Batman, is hit

Code link : <https://jsfiddle.net/saravananslb/Lc0yp4dg/>