Arrays - Practice Code

Steps to see the output:

- Open VS code.
- Select New File in the opened folder…
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given JS code in the file.
- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

Problem Statement 1: Arrays and 2D Arrays

Write a javascript file to store addresses of the places in an array and display it on using alert command, also make use of 2d array and store 3 people names, age, addresses and then display any of the following as an output!

Output:-

```
127.0.0.1:5500 says

London

                                    OK
```

```
127.0.0.1:5500 says

Michigan

                                    OK
```

```
127.0.0.1:5500 says

Delhi

                                    OK
```

127.0.0.1:5500 says

Mumbai

OK

Name: Sneha
Age: 17
Address: Michigan

Problem Statement 2: Array Filter

Write a javascript file to store addresses of the people in an array and using filter function print only those addresses that have their length greater than 5, pop an address and then find if pune and delhi exist in the array or not?

Output:-

London,Michigan,Mumbai
London,Michigan,Delhi

127.0.0.1:5500 says

-1

OK

127.0.0.1:5500 says

2

OK

Solutions

Problem Statement 1:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>JS Arrays Practice Code </title>
</head>
<body>
<script type="text/javascript">
    const addresses = ["London", "Michigan", "Delhi", "Mumbai"];
    for (let addr of addresses){
        alert(addr);
    }
    var personnel = new Array ()
    personnel [0] = new Array ()
    personnel [0] [0] = "Rahul"
    personnel [0] [1] = '18'
    personnel [0][2] = 'London'
    personnel[1] = new Array ()
    personnel [1] [0] = "Sneha"
    personnel [1] [1] = '17'
    personnel [1][2] = 'Michigan'
    personnel[2] = new Array ()
    personnel [2][0] = "Raj"
    personnel [2] [1] = '19'
    personnel [2] [2] = 'Delhi'
    document.write ("Name: " + personnel[1][0] + "<br>")
    document.write ("Age: " + personnel [1] [1] + "<br>")
    document.write ("Address: " + personnel[1][2] + "<br>")
</script>
</body>
</html>
```

Problem Statement 2:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>JS Arrays Practice Code </title>
</head>
<body>
<script type="text/javascript">
    const addresses = ["London", "Michigan", "Delhi", "Mumbai"];
    function isLong(addr) {
        return addr.length > 5;
    }
    const longer = addresses.filter(isLong);
```

```
    document.write(longer + "<br>");
    addresses.pop();
    document.write(addresses);
    alert(addresses.indexOf('Pune'));
    alert(addresses.indexOf('Delhi'));
</script>
</body>
</html>
```