FORM Validation & Function

HTML:

```html
<body>
<script src ="Validation.js"></script>


    <form name="RegForm" action=" javascript:this==window"

        onsubmit="return Valid()" method="post">

        <p>Name: <input type="text"    name="Name" ></p>

        <p>Address: <input type="text"    name="Address" /></p>

        <p>E-mail Address: <input type="text"    name="EMail" ></p>

        <p>Telephone: <input type="text"    name="Telephone" /></p>


            <input type="submit"   value="send" name="Submit" />


    </form>

</body>
```

JavaScrip:

```javascript
function Valid() {

    var name = document.forms["RegForm"]["Name"];

    var email = document.forms["RegForm"]["EMail"];

    var phone = document.forms["RegForm"]["Telephone"];

    var address = document.forms["RegForm"]["Address"];
```

```javascript
    if (!/^[a-zA-Z]*$/.test(document.RegForm.Name.value)|| name.value == "" ) {
        alert("Invalid characters Name");
        document.RegForm.Name.focus();
        return false;
    }



    if (address.value == "") {

        window.alert("Please enter your address.");

        return false;

    }


    if (!/^(([^<>()[\]\\.,;:\s@"]+(\.[^<>()[\]\\.,;:\s@"]+)*)|(".+"))@((\[[0-
9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\])|(([a-zA-Z\-0-9]+\.)+[a-zA-
Z]{2,}))$/.test(document.RegForm.EMail.value)|| email.value == "" ) {
        alert("Invalid characters Email");
        document.RegForm.EMail.focus();
        return false;
    }



    if (!/^\d{11}$/.test(document.RegForm.Telephone.value) || phone.value == "" )
 {
        alert("Invalide phone no");

        document.RegForm.Telephone.focus();
        return false;
    }

    return true;
}
```
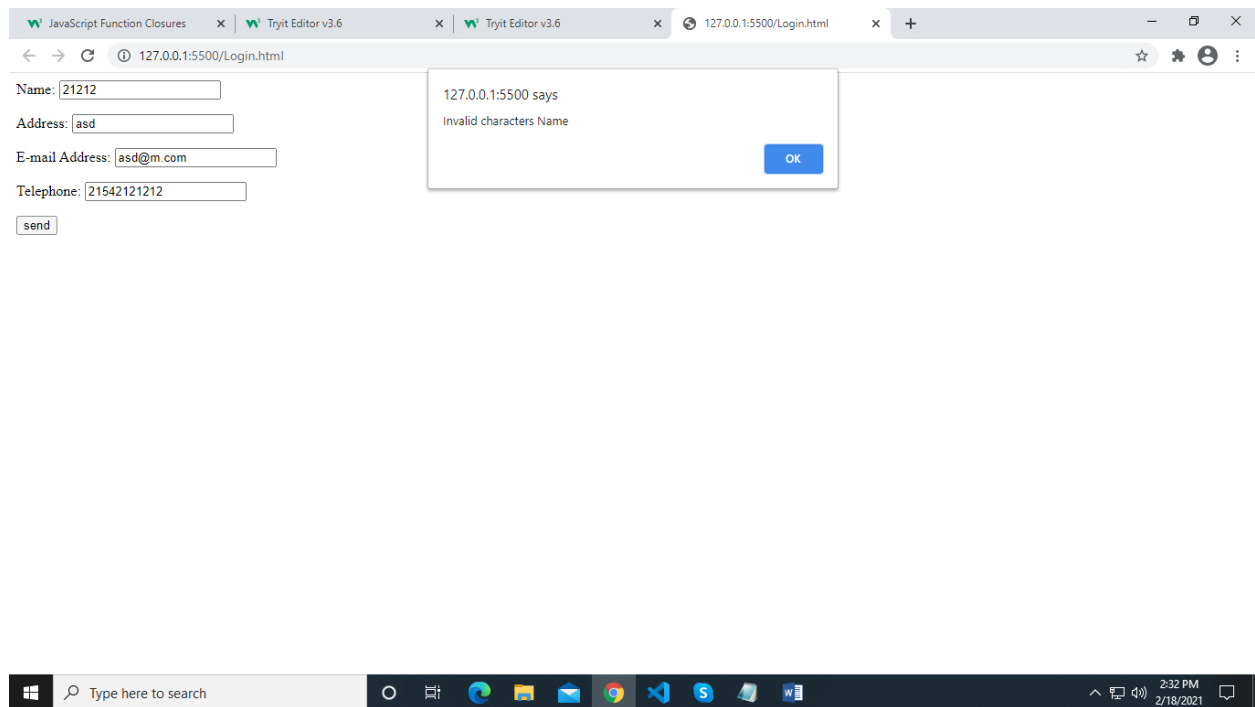
OBJECT:

Delete object properties:

<p id="demo"></p>

<script>

var person =

{

firstname: "Jhon",

lastname: "Doe",

age: 50,

eyecolor: "blue"

};

```
delete person.age;

document.getElementById("demo").innerHTMl=person.firstname+ "is"+person.age+"years old.";

</script>
```

With For in loop:
```
<script>
var x, txt = "";
var person = {name:"John", age:50, city:"New York"};

for (x in person) {
  txt += person[x] + " ";
document.getElementById("demo").innerHTML = txt;
</script>
```
Constructor:
```
function Person(first, last, age, eye) {
 this.firstName = first;
 this.lastName = last;
 this.age = age;
 this.eyeColor = eye;
}

// Create two Person objects
var myFather = new Person("John", "Doe", 50, "blue");
var myMother = new Person("Sally", "Rally", 48, "green");

// Display age
document.getElementById("demo").innerHTML =
"My father is " + myFather.age + ". My mother is " + myMother.age + ".";
```

```
</script>
```

Class:

```
<script>
class Car {
 constructor(name, year) {
  this.name = name;
  this.year = year;

 }
 age() {
  let date = new Date();
  return date.getFullYear() - this.year;
 }
}

let myCar = new Car("Ford", 2014);
document.getElementById("demo").innerHTML =
"My car is " + myCar.age() + " years old.";
</script>
```

Inheritance:

```
<script>
class Car {
 constructor(brand) {
  this.carname = brand;
 }
```

```javascript
  present() {
    return 'I have a ' + this.carname;
  }
}

class Model extends Car {
  constructor(brand, mod) {
    super(brand);
    this.model = mod;
  }
  show() {
    return this.present() + ', it is a ' + this.model;
  }
}

let myCar = new Model("Ford", "Mustang");
document.getElementById("demo").innerHTML = myCar.show();
</script>
```