

Create an JavaScript Application in an object oriented way

Aim:

To create an JavaScript application in an object oriented way

Algorithm:

Step 1: Start

Step 2: Design form using the html tags include the JavaScript by `<Script type = "text / JavaScript">`

Step 3: to create 4 different types of function in an object oriented way Ex: `mybook.price();`

Step 4: to design your displaying format using html elements

Step 5: Then inside your Javascript to declare and define variables and functions

Step 6: get the value from the your using alert box and call the function ex: `mybook.price(price);`

Step 7: now display the output using `document.getElementById("price").innerHTML = mybook.price`

Step 8: Stop

program:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<Script type = "text / JavaScript">
```

```
function price(price) { this.price = price; }
```

```
function discount(discount) { this.discount = discount; }
```

```

function total_cost (total_cost) { this.total_cost = total_cost; }
function book (title, author) {
    this.title = title;
    this.author = author;
    this.price = price;
    this.discount = discount;
    this.total_cost = total_cost;
}

```

```

</script>

```

```

</head>

```

```

<body>

```

```

    <center>

```

```

        <h3> Object Object oriented way </h3>

```

```

        <h4> Book name & author : <span id="name"> </span> </h4>

```

```

        <h4> Book price : <span id="price"> </span> </h4>

```

```

        <h4> Book discount : <span id="discount"> </span> </h4>

```

```

        <h4> Total cost : <span id="total cost"> </span> </h4>

```

```

        <h4> Date : <span id="date"> </span> </h4>

```

```

    </center>

```

```

<script type="text/javascript">

```

```

    var myBook = new book ("programming in C", "Abhishek");

```

```

    var price, discount, total_cost;

```

```

    price = parseInt (prompt ("Enter the book price"));

```

```

    discount = parseInt (prompt ("Enter the book discount"));

```

```

    myBook.price (price);

```

```

    myBook.discount (discount);

```



```
var c = price - discount;
```

```
var date = new Date();
```

```
myBook.totalCost(c);
```

```
document.getElementById("name").innerHTML = myBook.title + "By " +  
myBook.author;
```

```
document.getElementById("price").innerHTML = myBook.price;
```

```
document.getElementById("discount").innerHTML = myBook.discount;
```

```
document.getElementById("totalCost").innerHTML = myBook.totalCost;
```

```
document.getElementById("date").innerHTML = date.toString();
```

```
</script>
```

```
</body>
```

```
</html>
```

Result:

Thus the program to create an JavaScript application in an object oriented way was executed successfully.

Output:

Enter the Book Price : 300

Enter the Book Discount : 30

Object oriented way

Book name & Author : Programming in C by Bala

Book Price : 300

Book Discount : 30

Total Cost : 270

Date : Tue Sep 07 2021