

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 you 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 user 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> ~~the~~ Object oriental 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", "Bala");
```

```
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.toDateString();
```

```
<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 Balaji

Book Price : 300

Book Discount : 30

Total Cost : 270

Date : Tue Sep 07 2021