

## ASSIGNMENT 01

Object: Creating an object, getting values from object, iterating over objects, Nested object, arrays and objects, using for in. Object Methods,

Assignment: Calculate Bill.

```
const itembill = {
  items: [
    { code: '001', name: 'Milk', qty: 2, unit: 'Liter', price: 30, discount: 0.1 },
    { code: '002', name: 'Bread', qty: 3, unit: 'Pack', price: 50, discount: 0.05 },
    { code: '003', name: 'Jam', qty: 1, unit: 'Pack', price: 50, discount: 0.05 },
    { code: '004', name: 'Eggs', qty: 1, unit: 'Dozen', price: 60, discount: 0 }
  ],

  calctotal: function(item) {
    return (item.qty * item.price) * (1 - item.discount);
  },

  display: function() {
    let gtotal = 0;
    console.log('BILL GENERATION')
    console.log('Code | Name | Qty | Unit | Price | Discount | Total');
    console.log('-----');

    this.items.forEach(item => {
      const item_total = this.calctotal(item);
      gtotal += item_total;

      console.log(` ${item.code} | ${item.name} | ${item.qty} | ${item.unit} | Rs.
${item.price} | ${item.discount * 100}% | Rs. ${item_total.toFixed(2)} ` );
    });

    console.log('-----');
    console.log(` Grand Total: Rs. ${gtotal.toFixed(2)} ` );
    console.log('-----');
  }
};

itembill.display();
```

# BILL GENERATION

Code	Name	Qty	Unit	Price	Discount	Total
001	Milk	2	Liter	Rs. 30	10%	Rs. 54.00
002	Bread	3	Pack	Rs. 50	5%	Rs. 142.50
003	Jam	1	Pack	Rs. 50	5%	Rs. 47.50
004	Eggs	1	Dozen	Rs. 60	0%	Rs. 60.00
Grand Total: Rs. 304.00						