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**Information Technology Management**

**IFT-598 Middleware Prog & Database Sec**

**Professor: Dinesh Sthapit**

**Due Date: 09/17/2022**

**Assignment: JavaScript Advance Concepts**

1. **Req 1: Create a JavaScript Objects with the following properties:**

loans =[]

loan1 ={

    "id": 1,

    "customerName": "Sirisha",

    "phone": "208-227-4046",

    "address": "1717 s Dorsey Lane",

    "loanAmount": "1000",

    "intrest": "4",

    "loanTermYears": "48",

    "loanType":"education",

    "description":"loan amount required for education",

    "calculatedLoanAmount": function() {

      amount = Number(this.loanAmount)

      rate = Number(this.intrest)

      months = Number(this.loanTermYears)

      // Calculating interest per month

      const interest = (amount \* (rate \* 0.01)) / months;

      // Calculating total payment

      const total = ((amount / months) + interest).toFixed(2);

      return total

  }

  }

  loan2 = {

    "id": 2,

    "customerName": "Sahana",

    "phone": "2058873757",

    "address": "1717 s lemon street",

    "loanAmount": "2000",

    "intrest": "4",

    "loanTermYears": "5",

    "loanType":"business",

    "description":"loan amount required for business",

    "calculatedLoanAmount": function() {

      amount = Number(this.loanAmount)

      rate = Number(this.intrest)

      months = Number(this.loanTermYears)

      // Calculating interest per month

      const interest = (amount \* (rate \* 0.01)) / months;

      // Calculating total payment

      const total = ((amount / months) + interest).toFixed(2);

      return total

  }

  }

  loan3 = {

    "id": 3,

    "customerName": "Swetha",

    "phone": "2058873759",

    "address": "1050 s lemon street",

    "loanAmount": "450000",

    "intrest": "8.8",

    "loanTermYears": "120",

    "loanType":"education",

    "description":"loan amount required for education",

    "calculatedLoanAmount": function() {

      amount = Number(this.loanAmount)

      rate = Number(this.intrest)

      months = Number(this.loanTermYears)

      // Calculating interest per month

      const interest = (amount \* (rate \* 0.01)) / months;

      // Calculating total payment

      const total = ((amount / months) + interest).toFixed(2);

      return total

  }

  }

  loan4 =

  {

    "id": 4,

    "customerName": "Koushik",

    "phone": "2058875737",

    "address": "2050 e anankola street",

    "loanAmount": "5000",

    "intrest": "4",

    "loanTermYears": "5",

    "loanType":"home loan",

    "description":"loan amount required for home",

"calculatedLoanAmount": function() {

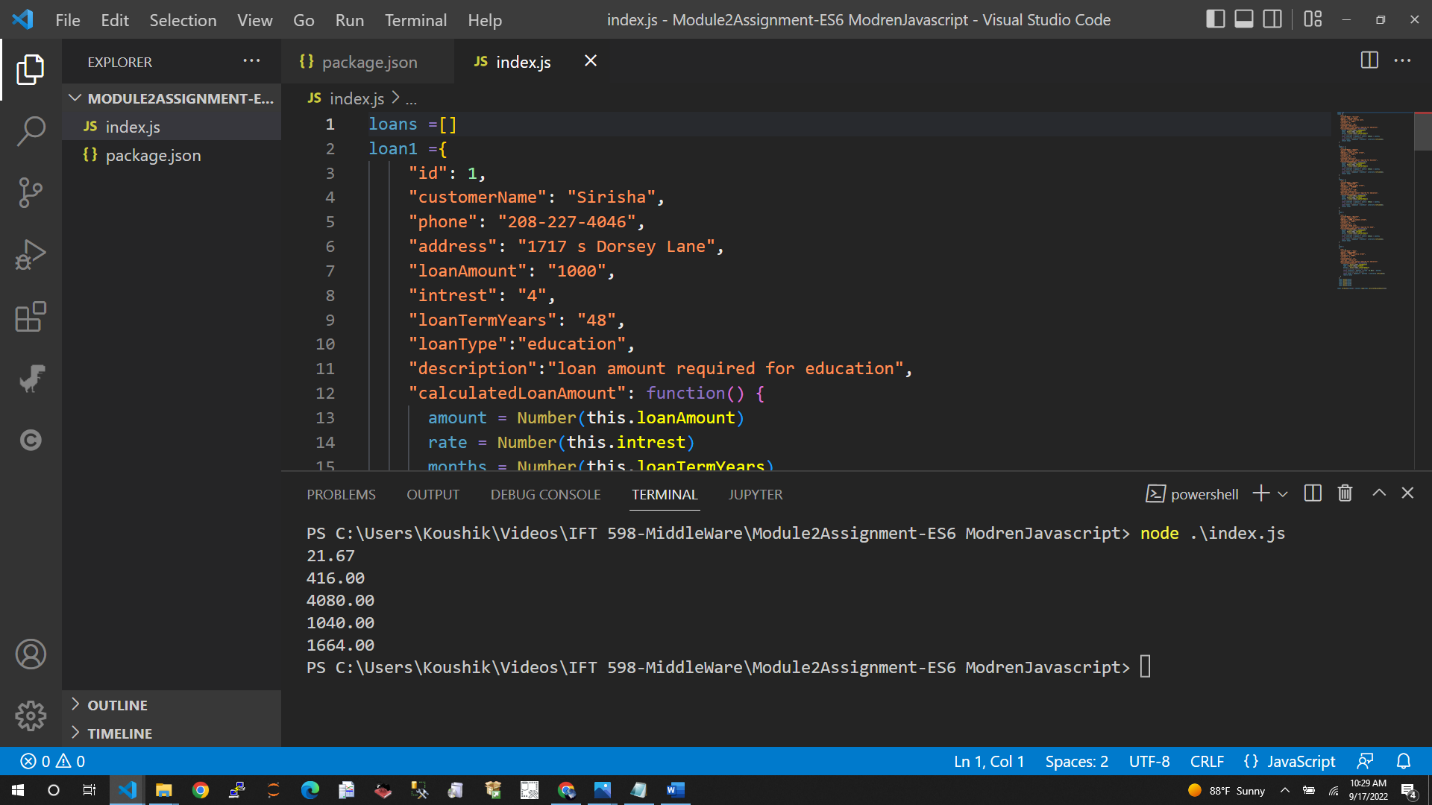
1. amount = Number(this.loanAmount)
2. rate = Number(this.intrest)
3. months = Number(this.loanTermYears)
4. // Calculating interest per month
5. const interest = (amount \* (rate \* 0.01)) / months;
6. // Calculating total payment
7. const total = ((amount / months) + interest).toFixed(2);
8. return total
9. }
10. }
11. loan5 =
12. {
13. "id": 5,
14. "customerName": "Aman",
15. "phone": "2083374046",
16. "address": "6078 n pioria street",
17. "loanAmount": "8000",
18. "intrest": "4",
19. "loanTermYears": "5",
20. "loanType":"education",
21. "description":"loan amount required for education",
22. "calculatedLoanAmount": function() {
23. amount = Number(this.loanAmount)
24. rate = Number(this.intrest)
25. months = Number(this.loanTermYears)
26. // Calculating interest per month
27. const interest = (amount \* (rate \* 0.01)) / months;
28. // Calculating total payment
29. const total = ((amount / months) + interest).toFixed(2);
30. return total
31. }
32. }

2. Req 2: **Create an array of loans and add five instances of the above JavaScript objects** based on the above specifications

1. loans.push(loan1)
2. loans.push(loan2)
3. loans.push(loan3)
4. loans.push(loan4)
5. loans.push(loan5)
6. Req 3: List all the array elements with the grand total loan amount using console.log statements.

loans.forEach((items)=> console.log(items.calculatedLoanAmount()))

**Screenshots:**



A screenshot of a computer

Description automatically generated