

## March 6 Assignment

```
let students =[
  {
    name: "Vinay",
    father_name:"Ram",
    mother_name:"sita",
    maths_marks: 90,
    science_marks: 90,
    english_marks: 90,
    hindi_marks: 100,
    computer_science_marks: 80,
    gender: "male"
  },
  {
    name: "Lavanya",
    father_name:"eqre",
    mother_name:"fghgh",
    maths_marks: 80,
    science_marks: 85,
    english_marks: 90,
    hindi_marks: 100,
    computer_science_marks: 80,
    gender: "female"
  },
  {
    name: "Sumit",
    father_name:"wqeqwr",
    mother_name:"fret",
    maths_marks: 100,
    science_marks: 100,
    english_marks: 90,
    hindi_marks: 100,
    computer_science_marks: 80,
    gender: "male"
  },
  {
    name: "Mehul",
    father_name:"awefr",
    mother_name:"waef",
    maths_marks: 50,
    science_marks: 60,
    english_marks: 90,
    hindi_marks: 100,
    computer_science_marks: 80,
    gender: "male"
  }
]
```

```
},  
];
```

```
function addstudent(student){  
  students.push(student)  
}
```

```
function readstudent(name){  
  return students.find(student=>student.name===name)  
}
```

```
function updatestudent(name,newName)  
{  
  const stud=students.find(student=>student.name===name)  
  if(stud)  
  {  
    Object.assign(stud,newName)  
  }  
}
```

```
function deleteStudent(name){  
  let stud = students.findIndex(student=>student.name===name)  
  if(stud!==-1)  
  {  
    students.splice(stud,1)  
  }  
}
```

```
let student = {  
  name: "Abhishek",  
  father_name:"Rdfhgg",  
  mother_name:"ssfgsg",  
  maths_marks: 90,  
  science_marks: 80,  
  english_marks: 81,  
  hindi_marks: 98,  
  computer_science_marks: 80,  
  gender: "male"  
}
```

```
addstudent(student);
```

```
console.log(readstudent("Abhishek"));
```

```
updatestudent("Abhishek",{name:"Shivam"});  
console.log(readstudent("Shivam"));
```

```
deleteStudent("Abhishek");  
console.log(readstudent("Abhishek"));
```

```
let maxi;  
for(let i=0;i<students.length;i++)  
{  
  let  
    total_marks=students[i].maths_marks+ students[i].science_marks+  
students[i].english_marks+ students[i].hindi_marks+  
    students[i].computer_science_marks;  
  let Avg = total_marks/5;  
  if(Avg>90){  
    console.log("Average Marks of "+students[i].name+" is "+ Avg+" and Grade is A+  
(TOPPER)");  
  }  
  else{  
    console.log("Average Marks of "+students[i].name+" is "+ Avg);  
  }  
  
}
```

## Method 2

```
let students =[  
  {  
    name: "Vinay",  
    father_name:"Ram",  
    mother_name:"sita",  
    std_id: "Sr.No1",  
    total_marks:300,  
    gender: "male"  
  },  
  {  
    name: "Lavanya",  
    father_name:"eqre",  
    mother_name:"fghgh",  
    std_id:"Sr.No2",
```

```

    total_marks:456,
    gender: "female"
  },
  {
    name: "Sumit",
    father_name:"wqeqwr",
    mother_name:"fret",
    std_id:"Sr.No3",
    total_marks:534,
    gender: "male"
  },
  {
    name: "Mehul",
    father_name:"awefr",
    mother_name:"waef",
    std_id:"Sr.No4",
    total_marks:434,
    gender: "male"
  },
];

```

```

// function addstudent(student){
//   students.push(student)
// }

```

```

// function readstudent(std_id){
//   return students.find(stud=>stud.std_id===std_id)
// }

```

```

// function updatestudent(name,newName)
// {
//   const stud=students.find(student=>student.name===name)
//   if(stud)
//   {
//     Object.assign(stud,newName)
//   }
// }

```

```

// function deleteStudent(std_id){
//   let stud = students.findIndex(student=>student.std_id===std_id)
//   if(stud!==-1)
//   {
//     students.splice(stud,1)
//   }
// }

```

```

//}

// let student = {
//   name: "Abhishek",
//   father_name:"Rdfhgg",
//   mother_name:"ssfgsg",
//   std_id:5,
//   maths_marks: 90,
//   science_marks: 80,
//   english_marks: 81,
//   hindi_marks: 98,
//   computer_science_marks: 80,
//   gender: "male"
//}

// addstudent(student);
function printStd(){
console.log("-----Student Report Card-----");
console.log("Std id | Name | Father Name| Student Id| Total Marks");

for(let i=0;i<students.length;i++)
{

    console.log(students[i].std_id + " | " + students[i].name+ " | " +
students[i].father_name+" | " + +students[i].total_marks)
}
}

console.log("Press 1 for Add Data ");
console.log("Press 2 to read data ");
console.log("Press 3 to Update Data ");
console.log("Press 4 to Delete Data ");

let data = prompt("Enter the option : ");
data=parseInt(data);

if(data==1)
{
    // console.log("Enter the id of the Student ")
    // const id=prompt("")

    console.log("Enter the Name of the Student ")
    const name=prompt("")

    console.log("Enter the Father Name ")
    const Fname=prompt("")

```

```

console.log("Enter the total mark Student ")
const marks=prompt("");

const newstudent =
{
  std_id: "Sr.No"+ (students.length+1),
  name:name,
  father_name:Fname,

  total_marks:marks
}

students.push(newstudent);
printStats();
}
if(data==2)
{
  printStd();
}

// console.log(readstudent(5));

// updatestudent("Abhishek",{name:"Shivam"});
function Update(){
  console.log("Enter the Name of the Student ")
  const name=prompt("")

  console.log("Enter the Father Name ")
  const Fname=prompt("")

  console.log("Enter the total mark Student ")
  const marks=prompt("");

  const newstudent =
  {
    std_id: "Sr.No"+ (students.length+1),
    name:name,
    father_name:Fname,

    total_marks:marks
  }

  students.push(newstudent);
  printStd();
}
if(data==3)

```

```

{
  console.log("Enter the id in Which you want to Edit (like name , Father Name , Marks ");
  let a2=prompt("");
  {
    Update(a2);
  }
}

```

```
// console.log(readstudent(4));
```

```

if(data==4)
{
  console.log("Eneter the id You want to Delete ");
  const aj=prompt("");
  deleteStudent(aj);
}

```

```
// // console.log(readstudent(5));
```

```

// for(let i=0;i<students.length;i++)
// {
//   console.log(students[i]);
// }

```

```

// for(let i=0;i<students.length;i++)
// {
//   let
//     total_marks=students[i].maths_marks+ students[i].science_marks+
students[i].english_marks+ students[i].hindi_marks+
//     students[i].computer_science_marks;
//   let Avg = total_marks/5;
//   if(Avg>90){
//     console.log("Average Marks of "+students[i].name+" is "+ Avg+" and Grade is A+
(TOPPER)");
//   }
//   else{
//     console.log("Average Marks of "+students[i].name+" is "+ Avg);
//   }
// }

```

```
// console.log("-----Student Report Card-----");
```

```
// console.log("Name || Father Name || Mother Name || Total Marks ");  
// let total_marks;
```

Output

```
Press 1 for Add Data  
Press 2 to read data  
Press 3 to Update Data  
Press 4 to Delete Data  
Enter the option : 1  
Enter the Name of the Student  
Prakhar  
Enter the Father Name  
Ram  
Enter the total mark Student  
485  
-----Student Report Card-----  
Std id | Name | Father Name| Student Id| Total Marks  
Sr.No1 | Vinay | Ram | 300  
Sr.No2 | Lavanya | eqre | 456  
Sr.No3 | Sumit | wqeqwr | 534  
Sr.No4 | Mehul | awefr | 434  
Sr.No5 | Prakhar | Ram | 485  
Try programiz.pro  
|
```