

## **QUESTION:**

Ques1. Write a JavaScript program to display the reading status (i.e. display book name, author name and reading status) of the following books.

```
var library = [  
  {  
    author: 'Bill Gates',  
    title: 'The Road Ahead',  
    readingStatus: true  
  },  
  {  
    author: 'Steve Jobs',  
    title: 'Walter Isaacson',  
    readingStatus: true  
  },  
  {  
    author: 'Suzanne Collins',  
    title: 'Mockingjay: The Final Book of The Hunger Games',  
    readingStatus: false  
  }  
];
```

## **INPUT:**

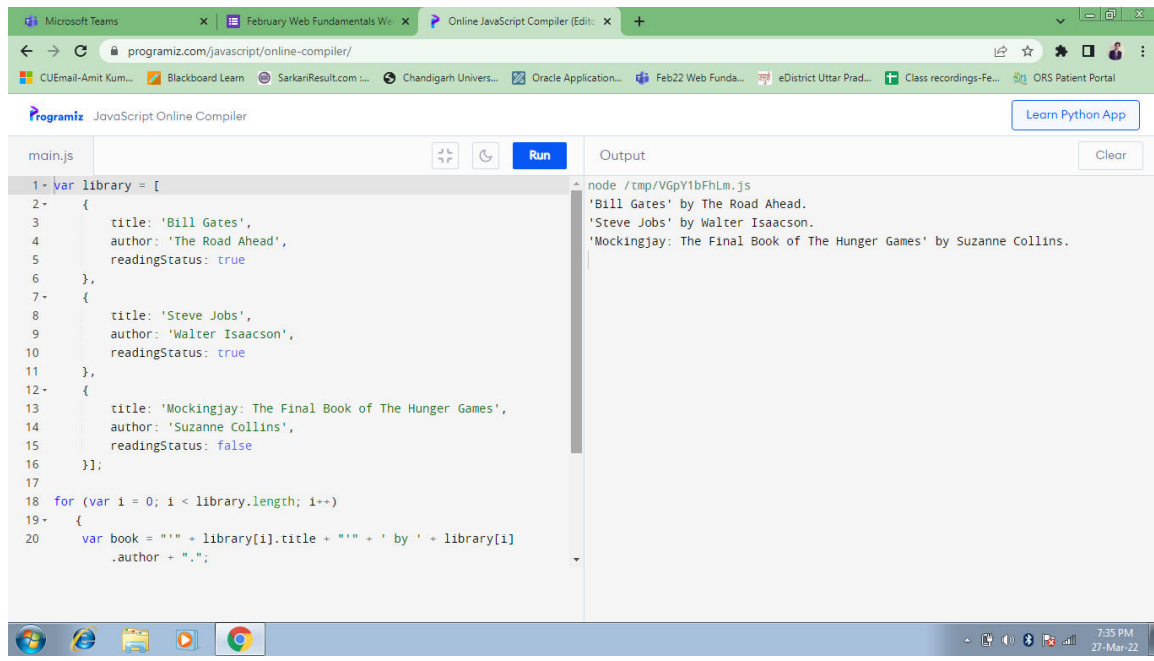
```
var library = [  
  {  
    title: 'Bill Gates',
```

```
    author: 'The Road Ahead',
    readingStatus: true
  },
  {
    title: 'Steve Jobs',
    author: 'Walter Isaacson',
    readingStatus: true
  },
  {
    title: 'Mockingjay: The Final Book of The Hunger Games',
    author: 'Suzanne Collins',
    readingStatus: false
  }
];
```

```
for (var i = 0; i < library.length; i++)
{
  var book = "" + library[i].title + "" + ' by ' + library[i].author + ".";
  if (library[i].readingStatus) {
    console.log(book);
  } else
  {
    console.log(book);
  }
}
```

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# OUTPUT:



The screenshot displays the Programiz JavaScript Online Compiler interface. The left pane shows the source code in a file named `main.js`. The code defines an array `library` with three book objects and iterates through them to print their titles and authors. The right pane, titled `Output`, shows the result of running the code: three lines of text, each representing a book from the library.

```
1- var library = [  
2-   {  
3-     title: 'Bill Gates',  
4-     author: 'The Road Ahead',  
5-     readingStatus: true  
6-   },  
7-   {  
8-     title: 'Steve Jobs',  
9-     author: 'Walter Isaacson',  
10-    readingStatus: true  
11-  },  
12-   {  
13-     title: 'Mockingjay: The Final Book of The Hunger Games',  
14-     author: 'Suzanne Collins',  
15-     readingStatus: false  
16-   }  
17- ];  
18- for (var i = 0; i < library.length; i++)  
19- {  
20-   var book = "" + library[i].title + " by " + library[i].author + " ";
```

node /tmp/VGpY1bFhLm.js  
'Bill Gates' by The Road Ahead.  
'Steve Jobs' by Walter Isaacson.  
'Mockingjay: The Final Book of The Hunger Games' by Suzanne Collins.