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| Subject code & Name | : | **CS381 &**  **Full Stack Development** | Practical | : | **3** | Academic Year | : | **2022-2023** |
| ID | : | **20CS093** | Name | : | **Parth Tandel** | | | |

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| **Practical – 3** |
| **Aim** |
| 3.a  Create a functionality that changes the color of the two headings every 1 second is activated when you click the Start Button. The first heading’s color is stored in var, while the second heading's colour is declared using let.  **Note : Use setInterval() function of JavaScript. Following that, both are accessed outside of the function block. Var will operate properly but let-declared variables fail since let is block-scoped.**  **Q -1 Write down the difference between var, let, and const.**  3.b  Create a Student class that contains the constructor with the parameters rollno, firstname, lastname, and one getter method to print the full name.  Create a Student class that contains a constructor with the parameters rollno, firstname, lastname, and one setter method to set the full name. |
| **Code Link (GitHub Links)** |
| **Practical-3 Git-hub Link :** [**https://github.com/rth1-618/stacking-up/tree/main/pr3**](https://github.com/rth1-618/stacking-up/tree/main/pr3)   * **index.html:** [**https://github.com/rth1-618/stacking-up/blob/main/pr3/index.html**](https://github.com/rth1-618/stacking-up/blob/main/pr3/index.html) * **index.js:** [**https://github.com/rth1-618/stacking-up/blob/main/pr3/index.js**](https://github.com/rth1-618/stacking-up/blob/main/pr3/index.js) |
| **Output** |
| **3.1 Webpage overview**    **3.2 3a Interval n**    **3.3 3a Interval n+1**    **3.4 Practical 3b form**    **3.5 Practical 3b output** |
| **Difference between var, let and const**   |  |  |  | | --- | --- | --- | | **var** | **let** | **const** | | The scope of a var variable is functional scope. | The scope of a let variable is block scope. | The scope of a const variable is block scope. | | It can be updated and re-declared into the scope. | It can be updated but cannot be re-declared into the scope. | It cannot be updated or re-declared into the scope. | | It can be declared without initialization. | It can be declared without initialization. | It cannot be declared without initialization. | | It can be accessed without initialization as its default value is “undefined”. | It can be accessed without initialization as its default value is “undefined”. | It cannot be accessed without initialization, as it cannot be declared without initialization. | | Hoisting done , with initializing as ‘default’ value | Hoisting is done , but not initialized (this is the reason for error when we access the let variable before declaration/initialization | Hoisting is done, but not initialized (this is the reason for error when we access the const variable before declaration/initialization | |
| **Faculty Name & Signature:** |