

Lab Report

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Program 1 :

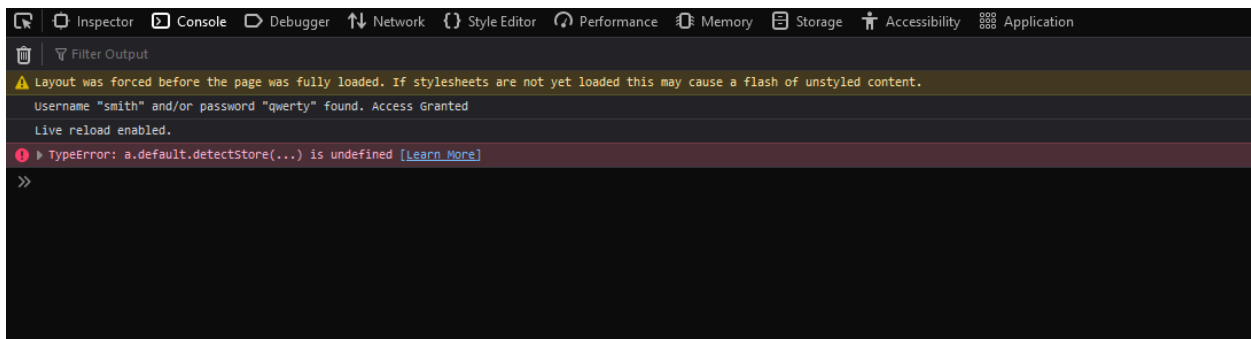
Html Code :

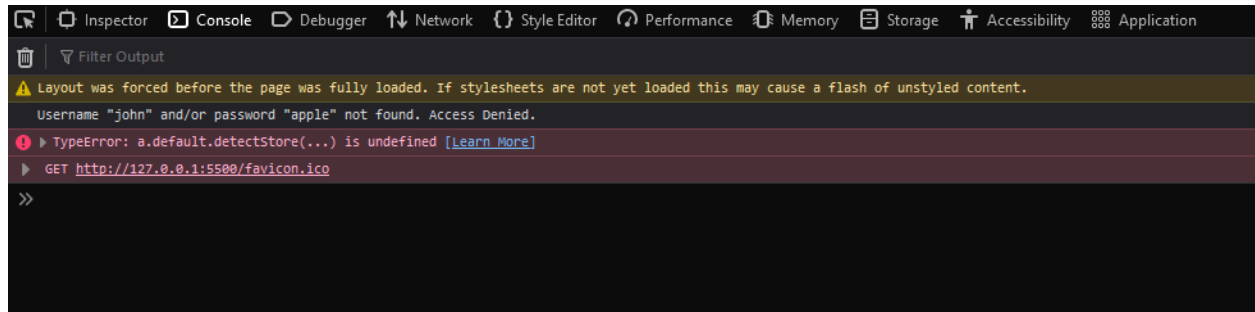
```
Learning center > School assignments > Javascript Assignments > Lab3_Loops_arrays > Lab3_P1.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Login Screen</title>
7      <script src="Lab3_P1.js"></script>
8  </head>
9  <body>
10
11 </body>
12 </html>
```

Javascript Code

```
Learning center > School assignments > Javascript Assignments > Lab3_Loops_arrays > JS Lab3_P1.js > ...
1  //declares two arrays, one for usernames, and the other for passwords
2  let usernames = ["smith", "tron", "ace", "ladyj", "anon"];
3  let passwords = ["qwerty", "EndOfLine", "year1942", "ladyj123", "PASSWORD"];
4
5  // prompts user for a username input and password input and stores the variable
6  let userAttempt = prompt("Enter the Username: ");
7  let passwordAttempt = prompt("Enter the Password: ");
8
9  //searches the arrays for the username inputted from prompt
10 userGuess = usernames.indexOf(userAttempt);
11 passGuess = passwords.indexOf(passwordAttempt);
12
13 //if the userGuess and PassGuess are found within the array, the indexOf will return a 1, otherwise, it will run the else statement.
14 if(userGuess >= 0 && passGuess >= 0){
15     console.log('Username "${userAttempt}" and/or password "${passwordAttempt}" found. Access Granted');
16 }
17 else{
18     console.log('Username "${userAttempt}" and/or password "${passwordAttempt}" not found. Access Denied.')
19 }
```

Screen shot of output :





Program 2 :

Screen shot of the code :

Html Code :

```
Learning center > School assignments > Javascript Assignments > Lab3_Loops_arrays > Lab3_P2.html > html > head > title
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Salary</title>
7      <script src="Lab3_P2.js"></script>
8  </head>
9  <body>
10
11 </body>
12 </html>
```

Javascript Code

```
1 //program to double a penny every day until the inputed day is reached
2
3 //takes input from the user
4 const days = prompt("Enter an amount of days: ");
5
6 //declares a variable to track the number of days its been for each for loop iteration
7 let numDays = 1;
8 //declares starting money
9 let money = 0.01;
10
11 console.log(`Days    Pennies\n\n-----\n\n${numDays}          ${money}`); // displays the initial values.
12
13 //Loops the program until i value reaches the amount of days inputed
14 //every iteration, i increases by 1
15 for(i = 1; i < days; i++){
16     money *= 2; // doubles money value
17     numDays += 1; //
18
19     console.log(` ${numDays}          ${money}`); //outputs the current iterations results
20 }
21
22 //outputs the results
23 console.log(`After ${days} days, Your salary would be to ${money}.`);
```

Screen shot of output :

