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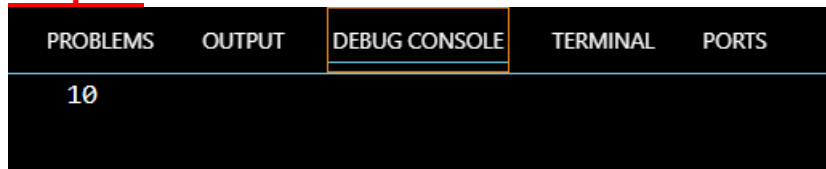
MERN STACK TASK(Q11-Q20)

TASK 11: Write a script without using “use strict” and try to assign a value to an undeclared variable.

Program :

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      a=10;
      console.log(a);
    </script>
  </body>
</html>
```

Output :



TASK 12 : Enable “use strict” mode and repeat the above action, noting the difference.

Program :

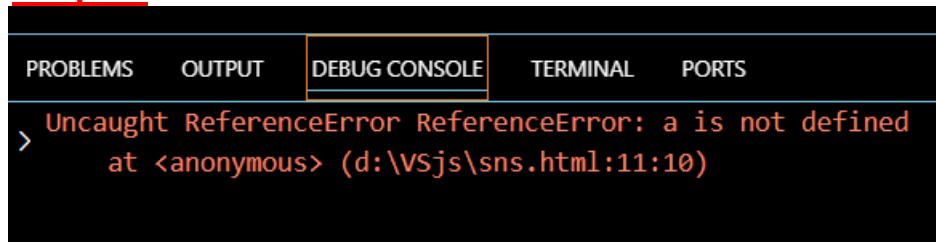
```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      "use strict";
```

```

        a=10;
        console.log(a);
    </script>
</body>
</html>

```

Output :



TASK 13: In “use strict” mode, try to delete a variable, function, or function parameter.

Program :

```

<!DOCTYPE
html>
<html>
    <head>
        <title>
            Sri
            Nithyasri-
            717823T153
        </title>
    </head>
    <body>
        <script>
            "use
            strict";
            let sri={
                age:"
            18",
                hous
            e:"selvapuram
            ",

            };
            console.
            log(sri.delete(a
            ge));
            console.
            log(sri.delete(h

```

```

    ouse));
    </script>
  </body>
</html>

```

Output :

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
		> Uncaught ReferenceError ReferenceError: age is not defined at <anonymous> (d:\SNS\sns.html:16:36)		

TASK 14:Assign a value to an undeclared variable without “use strict” and then with “use strict”.

Program :

```

<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      a=10;
      console.log(a);
      "use strict";
      b=80;
      console.log(b);
    </script>
  </body>
</html>

```

Output :

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
	10			
	80			

TASK 15 : Declare a variable with a reserved keyword in "use strict" mode

Program :

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      "use strict";
      let private=90;
      console.log(private);
      let public=89;
      console.log(public);
      let interface=78;
      console.log(interface);

    </script>
  </body>
</html>
```

Output

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
		> Uncaught SyntaxError SyntaxError: Unexpected strict mode reserved word at (program) (d:\VSjs\sns.html:11:8)		

TASK 16: Declare variables using let, const, and var. Discuss when each should be used.

Program :

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      var a=10;
      var a=90;//re-declaration is possible
      console.log(a);
      let b=20;
      b=89;//re-assignment is possible
      console.log(b);
      const c=78;
      console.log(c);//retains the value throughout the function
    </script>
  </body>
</html>
```

Output :

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
	90			
	89			
	78			

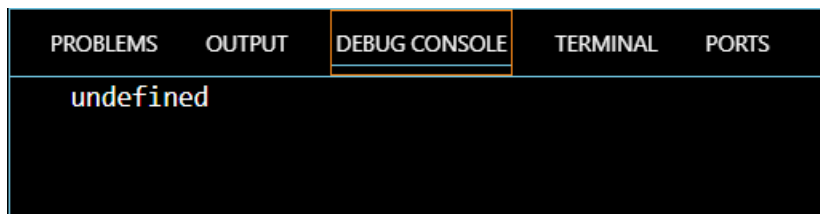
[Kindly adjust with the arrangement of Q17 after Q18....This is because the navigation of the output of Q17 was a bit tough when it was kept in this page]

TASK 18: Declare a variable without initializing the value and print it.

Program :

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      var a;
      console.log(a);
    </script>
  </body>
</html>
```

Output:



TASK 17: Attempt to re-assign a const variable and observe the result

Program :

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      const a=56;
      a=67;
```

```

        console.log(a);
    </script>
</body>
</html>

```

Output :

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
		> Uncaught TypeError: Assignment to constant variable. at <anonymous> (d:\VSjs\sns.html:11:9)		

TASK 19: Assign a number, string, and boolean value to a variable and print its type using typeof

Program :

```

<!DOCTYPE html>
<html>
    <head>
        <title>
            Sri Nithyasri-717823t153
        </title>
    </head>
    <body>
        <script>
            var a=10;
            console.log(typeof(a));
            var b="sri";
            console.log(typeof(b));
            var d=(a==b);
            var result=typeof(d);
            console.log(typeof(result));
            console.log(typeof(true));
        </script>
    </body>
</html>

```

Output :

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
	number string string boolean			

TASK 20: Rename a variable and observe the outcome

Program :

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Sri Nithyasri-717823t153
    </title>
  </head>
  <body>
    <script>
      var a=10;
      var b=a;
      console.log(b);
    </script>
  </body>
</html>
```

Output :

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
		10		