EXAMPLE 6: VARIABLES ARE GLOBAL UNLESS DECLARED

e = 2.71828; console.log("The value of e is" + e)

ASSIGN A VALUE TO A VARIABLE WITHOUT EVER HAVING DECLARED IT BEFORE

e = 2.71828; console.log("The value of e is" + e)

AND YOU CAN NOW USE ITS VALUE, NO PROBLEM AT ALL!

ERRM, THERE IS ONE LITTLE PROBLEM, ACTUALLY

VARIABLES USED WITHOUT DECLARATION BECOME GLOBAL BY DEFAULT

EKKM, THEKE IS PROBLEM, ACTUALLY

VARIABLES USED WITHOUT DECLARATION BECOME GLOBAL BY DEFAULT

EKKM, THEKE IS PROBLEM, ACTUALLY

VARIABLES USED WITHOUT DECLARATION BECOME GLOBAL BY PEFAULT AND THAT'S A REAL PROBLEM.

PROBLEM, ACTUALLY

```
e = 2.71828;
console.log("The value of e is" + e);
```

VARIABLES USED WITHOUT DECLARATION BECOME GLOBAL BY

AND THAT'S A REAL

ALWAYS DECLARE VARIABLES USED BEFORE USING THEM

ALWAYS DECLARE VARIABLES USED BEFORE USING THEM

```
@a≠ 2.₹18281828;
console.log("The value of e is" + e);
```

ALWAYS DECLARE VARIABLES USED BEFORE USING THEM

```
var e = 2.71va =
```

```
window.onload = printX;
var x = 5;
function printX() {
  var x = 10;
                                                    Inside printX: x = 10
  var pi = 3.1415;
                                                    Inside printX: e = 2.71828
                                                    Inside printX: pi = 3.1415
  e = 2.71828;
                                                    Inside printAnotherX: x = 20
  console.log("Inside printX: x = " + x);
                                                    Inside printAnotherX: e = 2.71828
  console.log("Inside printX: e = " + e);
                                                   ❸ ► Uncaught ReferenceError: pi is not defined
  console.log("Inside printX: pi = " + pi);
  printAnotherX();
function printAnotherX() {
  var x = 20;
  console.log("Inside printAnotherX: x = " + x);
  console.log("Inside printAnotherX: e = " + e);
  console.log("Inside printAnotherX: pi = " + pi);
</script>
```

```
window.onload = printX;
var x = 5;
function printX() {
  var x = 10;
                                                    Inside printX: x = 10
  var pi = 3.1415;
                                                    Inside printX: e = 2.71828
                                                    Inside printX: pi = 3.1415
  e = 2.71828;
                                                    Inside printAnotherX: x = 20
  console.log("Inside printX: x = " + x);
                                                    Inside printAnotherX: e = 2.71828
  console.log("Inside printX: e = " + e);
                                                   ❸ ► Uncaught ReferenceError: pi is not defined
  console.log("Inside printX: pi = " + pi);
  printAnotherX();
function printAnotherX() {
  var x = 20;
  console.log("Inside printAnotherX: x = " + x);
  console.log("Inside printAnotherX: e = " + e);
  console.log("Inside printAnotherX: pi = " + pi);
</script>
```

```
window.onload = printX;
var x = 5;
function printX() {
  var x = 10;
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  var pi = 3.1415;
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                                                    Inside printX: pi = 3.1415
  e = 2.71828;
                                                    Inside printAnotherX: x = 20
  console.log("Inside printX: x = "
                                                    Inside printAnotherX: e = 2.71828
                                                  ❸ ► Uncaught ReferenceError: pi is not defined
    nsoWEHAVES A VARIABLE NOT+ pi);
           EXPLICITLY DECLARED.
function printAnotherX() {
  var x = 20;
  console.log("Inside printAnotherX: x = " + x);
  console.log("Inside printAnotherX: e = " + e);
  console.log("Inside printAnotherX: pi = " + pi);
</script>
```

```
window.onload = printX;

var x = 5;

function printX() {

var x = 10;

var pi = 3.1415;

e = 2.71828;

console.log("Inside printX: x = " + x);

console.log("Inside printX: e = " + e);

consoWedAyesAeVARIABLE NOT+ pi);

printAngly PECLARED..

Inside printX: x = 10

Inside printX: e = 2.71828

Inside printAnotherX: x = 20

Inside printAnotherX: e = 2.71828

V ► Uncaught ReferenceError: pi is not defined

EXPLICITLY PECLARED..
```

```
function printAnotherX() {
    var x = 20;
    console log("Inside printAnotherX; x = " + x); ACCESSIBLE FROM console.log("Inside printAnotherXAND SO+IT)!S ACCESSIBLE FROM console.log("Inside printAnotherX: pi = ANOTHER FUNCTION ANOTHER FUNCTION)
```

ANOTHER FUNCTION

```
window.onload = printX;
var x = 5;
function printX() {
  var x = 10;
                                                    Inside printX: x = 10
  var pi = 3.1415;
                                                    Inside printX: e = 2.71828
                                                    Inside printX: pi = 3.1415
                                                    Inside printAnotherX: x = 20
      sole.log('Inside printX: x = "
                                                    Inside printAnotherX: e = 2.71828
     IF WE HAVE A VARIABLE THAT IS
                                                  ❸ ► Uncaught ReferenceError: pi is not defined
  printAnoEXPLICITLY DECLARED.
function printAnotherX() {
  var x = 20;
  console.log("Inside printAnotherX: x = " + x);
  console.log("Inside printAnotherX: e = " + e);
  console.log("Inside printAnotherX: pi = " + pi);
</script>
```

```
window.onload = printX;

var x = 5;

function printX() {

var x = 10;

var pi = 3.1415;

e = 2.71828;

consote.tog('Inside printX: x = " + x);

consote.tog('In
```

```
function printAnotherX() {
    Var x = 20;
    Consote:tog( Inside printAnotherX: x = " + e);
    console.log("Inside printAnotherX: pi = " + pi);
}
```

</script>

```
window.onload = printX;
var x = 5;
function printX() {
  var x = 10;
  var pi = 3.1415;
  e = 2.71828;
  console.log("Inside printX: x = " + x);
  CIPAVE HAVE AIVARIABLE THAT IS;
  printArexplicitly DeclareD.
Inside printX: x = 10
Inside printX: e = 2.71828
Inside printX: pi = 3.1415
Inside printAnotherX: x = 20
Inside printAnotherX: e = 2.71828
Variable PrintAnotherX: e = 2.71828
Inside printX: pi = 3.1415
Inside pri
```



```
console.log("Inside printAnotherX: x = " + x);
console.log("Inside printAnotherX: e = " + e);
console.log("Inside printAnotherX: pi = " + pi);
}
```