Homework 1

* kind [ var, let, const ] – homework investigate the meaning of these words – 15

var- is a keyword that tells the js that you are declaring the variable

-it can be updated and also re-declared

-it can be declared without the initializer

- its default value is “undefined”.

-e.g var x = 3 or var x = 10 (it can be updated and also re-declared)

let-is a keyword that tells the js that you are declaring the variable.

-it can be updated but cannot be re-declared.

-it can be declared without the initializer.

- the default value is set to undefined

-e.g let x=2

- x = 4 (it can be updated but cannot be re-declared.)

const- is a keyword that tells the js that you are declaring the variable.

-it has all the let properties except that you cannot update it once its declared.

-it can not be declared without initializer otherwise it will return an error.

-e.g const x = “anza”

* explain the meaning of = , ==, === in js and the difference between each – 9

=: is used for assigning values to a variable in javaScript

:e.g let a = “anza”

: the variable a is assigned to a string “anza”

==:it is used for comparison between two variables irrespective of the data type

:e.g let Anza = “5”

Anza == 5 (this will return true)

===: it is used for comparison between two variables, but this will strictly check the data type

:e.g let Anza = 5

Anza === 5 (this will be true)

* name and explain 4 parts of variable assignment 4

1. variable kind [ var, let, const]- keywords used to declare variables in javaScript
2. variable name – Identifying name of a variable in camel case e.g myVariable = “muhuliseni”
3. assignment operator (=) optional e.g myName = “anza”.
4. value assigned - this can be any data type

Homework 2

Create variable a and assign a value 5

Let a = 5

Create variable b and assign a value 6

Let b = 6

Assign a to b , what will the output of console.log(a)? and console.log(b)? now

a = b

console.log(a) will output 5

console.log(b) will output 5

Print “hello world thavha” using two variables – 30

Let x = “hello world thavha”

Console.log(x)

Var x = “thavha”

Console.log(` hello world ${x}`)

Total 60