**Q.1 What is data and data type ?**

Ans. data :- computer ke dvara uske process me jo kuch bhi store kiya jata h usse data kha jata h.yhe computer me hard disk ya ssd me folder,file bnakr store kiya jata h. esme video , picture , number kuch bhi ho skte h.

Data type :- store ki gye data ka type of check krna data type khelata hai. Jese ki data kis type/prkar ki h .

### Q.2 Explain below data types ?

* Number
* String
* undefined
* Boolean

Ans.

1.Number :- javascript me kisi bhi variable ko value number me assian krna number khelata h .

Ex. 28,40,59……

2.String :- javascript me kisi bhi variable ko value word, paragraph ya sentence me assian krna string kheleta h .

Ex. “Shivraj”, “rahman”.

3.Undefined :- javascript me kisi bhi variable ki jb koi bhi value assian nhi hoti h to usse to usse undefined bolte h.

4.Boolean :- javascript me kisi bhi variable ki data type ture /false aaye to vha data type Boolean hoti h.

### Q.3 What is identifier and what are the rules for creating identifiers?

Ans. Indentifer :- javascript me identifier ka mtlb hota h kisi bhi variable ,function ko naam dena .

Rules :- javascript me identifier case sensitive hote h. case sensitive ka mtlb hota h ki jo nam identifier me use kiya h to fir aage bhi vhi name use krna hoga.

### Q.4 Why do we use comments in Code ? What are the different ways of using commets in JavaScript ?

Ans. comments ka mtlb hota h ki kisi bhi line me likhe code ke bare me likhna jese ki yhe code kb likha h /kisne likha .

1. Single line comments - eska mtlb hota kisi ek line ko comment krna ya kisi ek line ke kuch hisse ko comment krna .

Ex. //This is a computer.

1. Multi-line comments - eska mtlb hota h kisi paragraph ko comment krna / bahoot sari line ko ek sath comment krna .

### Q.5 Create a different table between let, const and var and write atleast 2 differences?

Ans.

|  |  |  |
| --- | --- | --- |
| Var | let | const |
| Esme variable dubara assian kr skte h | esme variable dubara assian nhi kr skte h | esme variable redeclair assian nhi kr skte h |
| And value bhi redeclair kr skte h | but esme value redeclair kr skte h | and value bhi dubara declair nhi kr skte |
|  |  |  |

### Q.6 Solve below expressions

1) 2 + 3 \* 4

2+ 12 => 14

2) (5 - 2) \*\* 3

(3)\*\*3

3\*3\*3 => 27

3) 10 / 2 + 5

5+5 => 10

4) 8 % 3

2

5) 6 > 4 && 3 <= 5

True && true

=> ture

6) 10 + 2 === 12

12 === 12

=> true

7) !(3 < 2)

!(false)

=>true

8) 4 \* 2 !== 8

8!== 8

=> false

9) (7 + 3) < (5 \* 2) || (6 - 2) >= 4

10 < 10 || 4 >= 4

False || true

=>true

10) (10 % 3) === 1 && !(4 === 5)

1===1 && !(4===5)

True && true

=>True

11) 2 + 3 \* 4 > 10 && (5 % 2) === 1

14>10 && 1===1

True && true

=>true

12) (6 >= 5 || 3 < 2) && !(4 <= 3)

True && true

=>true

13) 5 + 2 \* 3 !== 10 && (4 - 2) < 1

11 !==10 && 2 < 1

=>False

14) (8 + 3) <= (4 \* 2) || (6 % 3) > 0

11 <= 8 || 0>0

=>false

15) (10 / 2) \* 3 === 15 && (5 - 2) !== 2

15===15 && 3 != 2

True && true

=>true

16) 2 + 3 \* 4 <= 14 && !(5 % 2 === 1)

14 <=14 && 1===1

=>false

17) 10 + 2 > 12 || (7 + 3) === 10

12 > 12 ||10 === 10

=>true

18) (3 < 2 && 4 <= 3) || !(6 >= 5)

False || false

=>false

19) 5 + 2 \* 3 === 10 && (4 - 2) >= 1

=>false

20) (8 + 3) > (4 \* 2) || (6 % 3) === 0

=>true

21) (6 \* 4) < (8 + 2) || (9 - 2) >= 7

=>true

22) (11 % 4) === 2 && !(3 === 6)

=>false

23) 4 + 5 \* 2 > 12 && (7 % 3) === 1

14 > 12 && 1 ===1

True && true

=>true

24) (8 >= 7 || 4 < 2) && !(5 <= 4)

True && true

=>true

25) !(9 > 6)

=>true

26) 6 + 3 !== 11 – 2

9 !== 9

=>false

27) (5 \* 3) < (7 + 4) || (10 - 4) >= 8

15 < 11 || 6 >= 8

=>false

28) (13 % 5) === 3 && !(2 === 9)

true && true

=>true