APRIL - 20

M T W T S S
1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30

MARCH • THURSDAY

WK 11 (075-290)

16

13/05/23

$2x(xb)$

@- $1 \times b$ ——> Tw_1
b - $1 \times b$ ——> -1

(1.20hr)

① OR(||) operator   (either - or)

Input 1	Input 2	output
1) False	True	True
2) True	False	True
3) False	False	False
4) True	True	True

⇒ In case of OR even if there is one
true i will get the true as output.

Ex} Console.log $(8 \geq 6 || 5 < 6)$ || $(7 > 5 \& 7 \leq 6) \&$
       T   F   T $(5 > 9)$;
              T || F & & F
                 T || F
       output ⇒ [True]

Ex:-

17

2023 - FEBRUARY
S M T W T
5 6 7 1 2
12 13 14 8 9
19 20 21 15 16
26 27 28 22 23

③ ! (NOT) operator

└─▷ gives opposite Result

Input	output
True	False
False	True

EX : ! True

=) False

④ switch case

[syntax]

EX :- your sim card is not working and you have
called the customer care and there is
a IVR is giving you a bunch of options

↦ let choice = 1;

syntax

```
switch ( choice ) {
    case 1: console. Log ("English");
    case 2: console. Log (" hindi");
    case 3: console Log (" Marathi");
    case 4: console. Log (" Tamil");
    case 5: console Log (" Punjabi");
}
```

output :- English

Hindi

Marathi

Tamil

```
Let choice = 2;
switch (choice) {
    case1 : console.log (" English");
        Break;
    case2: console.log ("Hindi");
        Break;
    case3: console.log (" Marathi);
        Break;
    case4: console.log (" Tamil");
        Break;
    case5: console.log (" Punjabi");
        Break;
    default: console.log (" Invalid input");
}
```

output :- | Hindi |

— * —

20

6th **While Loops**

• __Increment__ & __Decrement__

$\downarrow$ $\qquad\qquad\qquad$ $\downarrow$

Increasing some
value. $\qquad$ Decreasing some
$\qquad\qquad\qquad\qquad$ value.

Let $X = 10$; $\qquad$ Let $X = 10$;

$\qquad\qquad\qquad\qquad$ $\boxed{X = X - 10}$ $\rightarrow$ Decrement

$X = 20$;

$\boxed{X = X + 10}$ Increment $\qquad$ $\underline{(--X \, , \, X--)}$
$\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ $\downarrow$

$\underline{(++X \, , \, X++)}$ $\qquad$ Decrementing value of
$\qquad\quad\downarrow$ $\qquad\qquad\qquad$ x by 1.

* Increasing the value
of X by 1. $\qquad\qquad$ $(X--)$ Post Decrement

$X++$ (Post Increment) $\qquad$ $(--X)$ Pre Decrement

$++X$ (Pre Increment)

APRIL · 2023

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
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17	18	19	20	21	22	23
24	25	26	27	28	29	30

WK 12 (080-285)

MARCH · TUESDAY

21

Post Increment (x++)

↳ I will assign value first and then increment it.

```
Let x = 10;
Let y;

y = x++;

console.log(y); 10;
console.log(x); 11;
```

→ ① Assign the new value to y

② Incrementing the value of x,

Pre Increment (++x)

↳ I will Increase the value first and then assign it.

```
Let x = 20;
y = ++x;
↳
console.log(y); 21
console.log(x); 21
```