Java Script Operators

Arithmetic Operators

```
Ret 71= 10;

Ret 3= 3;

Console. log (Xxy);

Console. log (Xxy);

Console. log (Xxy);

Console. log (Xxy);

Console. log (Xxxy);

Console. log (xxxy);

Console. log (++xx); (exponential).

Console. log (++xx); (decrement)

Console. log (--x); (decrement)
```

Assignment Operators

(emposison Opontor Relational operators (ourge 100 (21>0). Desult: True Console. log(x>=1); (orsole, 108 (x < 1); console, log (>L <=1); Storet Equality (Type + Value) Ednaliga absentors Console. log (> = ==1); True Console. log (x !==1); false Lose Equality Console. log (1==1); Toue (Automobile) Console. log (1/==1); Toue (Automobile) Converted Stoict Equality Operator (Type + Value) console. log (1 = = 1); Toue (onsole. 109 ('1'===1); foilse Lesevaes Obesegos \ (angigianal Obesegos let Points=110; let & type= Points > 100 ? Transfold Console. log (type); result: touc

Logical Operators logical AND (& 44) Console: log (true && false); Returns tour it both operands are toue logical OR (11) 1 H let high Income = touc; let good (sedif sier = true) Pligible foo Loan = higIncome Il good (ordin Score; Console, log (eligible footoon); Desuit : toue. Rogical NOT (!) Det high Income = true; let good (redit Scox = true) let eligitétor Loan= high Income Il good (medit Score) (onsole log (eligible ; eligible for Loan); let application Refused = ! eligible foxLoan;

Console log (Application Refused)

Bitwise Operators

1 = 00 00 0001

3=00000011 g=00000010

Console. log (112); Il Bitwise OR Desult = DO000011

Console log (alf 2); 11 Bitwise AND result = 00000000

Control & low

Conditional Statements

(1) 17 ... else

Syndasi

1f (condition) {

Statement

7

else if (another (andition) {

Statement

ξ

e 1.8e

State ment

17 hours is between form and 12 pm: God many $Q \Rightarrow$ 114008 11 1 it is between 12 pm and 6 pm: Good after non 11 otherwise: Good evening) let hour = 18 / 1F (hour >= 6 48 hour < 12) Console log (Good morning): clse if (hours >= 12 &d hours < 18) Console, log (God thousand); 6/80 Console log (' Good Evening'); Switch (7)Example: let vole; Switch (Dole) } Case ' (nicest '; (on sole log (sout Oser)) beoboeak; Case 'moderators': (onsole. log ('Maderator User); bocalc,

Console log ('Unknown Uses'); 3 Loop Repeat Wen feet an action for number of times (1) For loop Colomple: for (let != 01 / 12=5; i++) { 17 (1%21==0) Consol. (0g(i); (a) while loop cocample: Jet 1=0% while (1 2=5) { 15 (1 %2 1==0) (on sole. log (i); do while loop

default:

3) de while loop

example:

do ?

14 (10/02!==0) Gonsole.long(1)

1++;

3 while (12=5);

4) for ... in loop

itterate over object

· Const Person = {

Daine: most,

age: 30

Si

for (let key in person).

(onsole log (key);

peralt: name

Be age

Console. log (key, Peoson [key])

Example:

name most

age 30

itterate Over assay Const colors = ['red', Blue', Green'] for (let inder in colors) Console log (con indesc, Color [indesc]), 5) for of loop Over arrays. Gramble Const Colors= ['Red', 'Blue', 'Green']; Consolertogt for (Jet (olox of coloxs) (onsole.log (color); result: red Red Green Break and Continue Bocak is used to somp to outside Bocak: from the block escample: let i=0; while (i L=10) 1 (1 === 5) becale; console.log (1);

33

Continue

of the long block.

example: let i=0

while (i <=10) {

If (i %=2===0) continue

console.log (i);

itt;

3

In Conditional Operates boolean Value is automatical assigns.

Chample

Console. log (islandiscape (800, 600));

function is land scape (width, height) {

return (width > height)

3

Tesult: dalse