OPERATORS

* Console.log(10 +10);

--Result: 20

* Console.log(10 +”10”);

-- Result: "1010"

* Console.log(10 ++”10”);

-- Result: "20"

* Console.log(10 +”10”+10);

-- Result: "101010"

* Console.log(10 ++”10”+10);

-- Result: "30"

* Console.log(10 –“2”);

-- Result: "8"

* Console.log(10 –“2”-“8”);

-- Result: "0"

* Console.log(10 +“2”-“2”);

-- Result: "100"

* Console.log(10 \*”10”);

-- Result: "100"

* Console.log(10 >9>8);

-- Result: "false"

* Console.log(10 /”100”);

-- Result: "1"

* Console.log(10 /”0”);

-- Result: "Infinity"

* Console.log(10 ++”100”-‘100”\*”100”);

-- Result: "-9800"

* Console.log(1 ==”1”);

-- Result: "true"

* Console.log(1===”1”);

-- Result: "false"

* Console.log(1==”one”);

-- Result: "false"

* Console.log(1===”one”);

-- Result: "false"

* Console.log(1+true);

-- Result: "2"

* Console.log(1-true);

-- Result: "0"

* Console.log(1 +true-false);

-- Result: "2"

* Console.log(“1”+true);

--Result: ‘’1true’’

* Console.log(+“1”+true);

--Result: ‘’2’’

* Console.log(undefined==undefined);

-- Result: ‘’true’’

* Console.log(undefined===undefined);

-- Result: ‘’true’’

* Console.log(null==null);

-- Result: ‘’true’’

* Console.log(null===null);

-- Result: ‘’true’’

* Console.log(undefined==null);

-- Result: ‘’true’’

* Console.log(undefined===null);

-- Result: ‘’false’’

* Console.log(2+NaN);

-- Result: ‘’NaN’’

* Console.log(“2”+NaN);

-- Result: ‘’2NaN’’

* Console.log(2+undefined);

-- Result: ‘’NaN’’

* Console.log(“2”+undefined);

-- Result: ‘’2undefined’’

* Console.log(typeof”123”);

-- Result: ‘’string’’

* Console.log(typeof2);

-- Result: ‘’number’’

* Console.log(typeoftrue);

-- Result: ‘’boolean’’

* Console.log(typeof undefined);

-- Result: ‘’undefined’’

* Console.log(typeof null);

-- Result: ‘’object’’

* Console.log(typeof []);

-- Result: ‘’object’’

* Console.log(typeof 1n);

-- Result: ‘’bigint’’

* Console.log(typeof 1n+2n);

-- Result: ‘’bigint2’’

* Console.log(typeof 1+2n);

-- Result: ‘’number2’’

* Console.log(typeof 1/1n);

-- Result: ‘’number’’

1. What is the value of x after the operation: x = 5 + 3 \* 2?

--Result: x=11

1. What is the value of y after the operation: y = 12 - 4 / 2?

-- Result: y=10

1. What is the value of z after the operation: z = 7 + 2 \* 3 - 1?

-- Result: z=11

1. What is the value of a after the operation: a = 9 % 3 + 2?

-- Result: a=2

1. What is the value of b after the operation: b = 15 / 3 \* 2?

-- Result: b=10

1. What is the value of c after the operation: c = 24 >> 2?

-- Result: c=6

7. What is the value of d after the operation: d = 17 & 3?

-- Result: d=1(Bitwise AND operator)

8. What is the value of e after the operation: e = 28 ^ 2?

-- Result: e=30(Bitwise XOR operator)

9. What is the value of f after the operation: f = 11 + 3 << 2?

-- Result: f=23

10. What is the value of g after the operation: g = 25 - 5 | 3?

-- Result: g=18

1. What is the value of granted after the operation:

let username = "admin";

let password = "password";

let granted = (username === "admin" && password === "password") ? true : false;

--- granted=true

2. What is the value of message after the operation:

let username = "user";

let password = "wrongpassword";

let message = (username === "admin" && password === "password") ? "Login successful!" : "Invalid credentials.";

--- message="Invalid credentials."

3. What is the value of access after the operation:

let username = "admin";

let password = "password";

let access = (username === "admin" || password === "password") ? "Granted" : "Denied";

--- access="Granted"

4. What is the value of status after the operation:

let username = "";

let password = "password";

let status = (username !== "" && password === "password") ? "Logged in" : "Please enter username and password";

--- status="Please enter username and password"

5. What is the value of authenticated after the operation:

let username = "admin";

let password = "wrongpassword";

let authenticated = (username === "admin" && password === "password") ? true : false;

--- authenticated=false

1. What is the value of name after the operation:

let user = { name: "John" };

let name = user?.name ?? "Unknown";

--- name="John"

2. What is the value of price after the operation:

let product = { price: null };

let price = product?.price ?? "N/A";

--- price="N/A"

3. What is the value of address after the operation:

let customer = { address: { street: "123 Main St" } };

let address = customer?.address?.street ?? "Not available";

--- address="123 Main St"

4. What is the value of phone after the operation:

let contact = { phone: null };

let phone = contact?.phone ?? "Not provided";

--- phone="Not provided"

5. What is the value of description after the operation:

let item = { description: "" };

let description = item?.description ?? "No description available";

--- description=""