

JavaScript Homework Assignment

Name: _____

Date: _____

Batch: _____

1. Create a full name message using variables. Combine first and last name into fullName and alert it.

2. What will be the output of:

```
let a = "5";
```

```
let b = 2;
```

```
let result = a + b;
```

```
console.log(result);
```

Explain why.

3. Guess the output and explain:

```
let a = 10;
```

```
let b = 5;
```

```
let c = ++a + b-- + --b;
```

```
console.log(c);
```

4. Convert string '20' to a number and multiply it with 3. Show the output.

5. Write an expression that gives the remainder 1 when divided by 3.

6. Using the variables below, alert the message:

```
let student = "Hassan";
```

```
let score = 88;
```

Output: Hassan got 88 marks in JavaScript!

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7. Combine pre/post increment in one expression and explain the output:

```
let x = 5;
```

```
let y = x++ + ++x - --x;
```

```
console.log(y);
```

8. Write 5 illegal variable names and correct them.

9. A perfume costs 2500 PKR. Write a JS expression to calculate the price of 4 perfumes and alert the bill.

10. Create your own math expression using 3 operators and one variable, then explain it in comments.

Bonus: What will be the output of the following code and why?

```
let msg = "Total: " + (5 + 5) * 2;
```

```
alert(msg);
```