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Web App Development
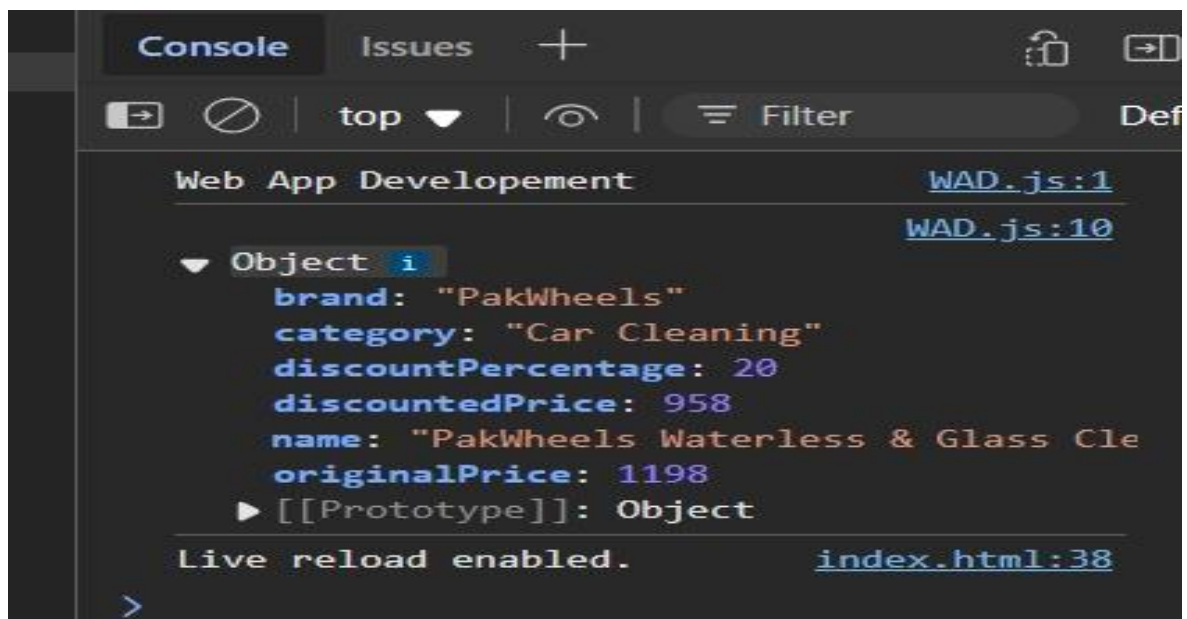
TASK 1

```js
console.log("Web App Developement")

let bigIntValue = 12345678901234567890l
console.log(typeof bigIntValue);
let symbolValue = Symbol('description')
console.log(typeof symbolValue);
```

```
DOCTYPE html>
tml lang="en"> == $0
<head>...</head>
<body>...</body>
html>
```

Console   Issues   +

top ▼   ☰ Filter   Defau

Web App Developement   WAD.js:1
bigint   WAD.js:4
symbol   WAD.js:6
Live reload enabled.   index.html:38

>
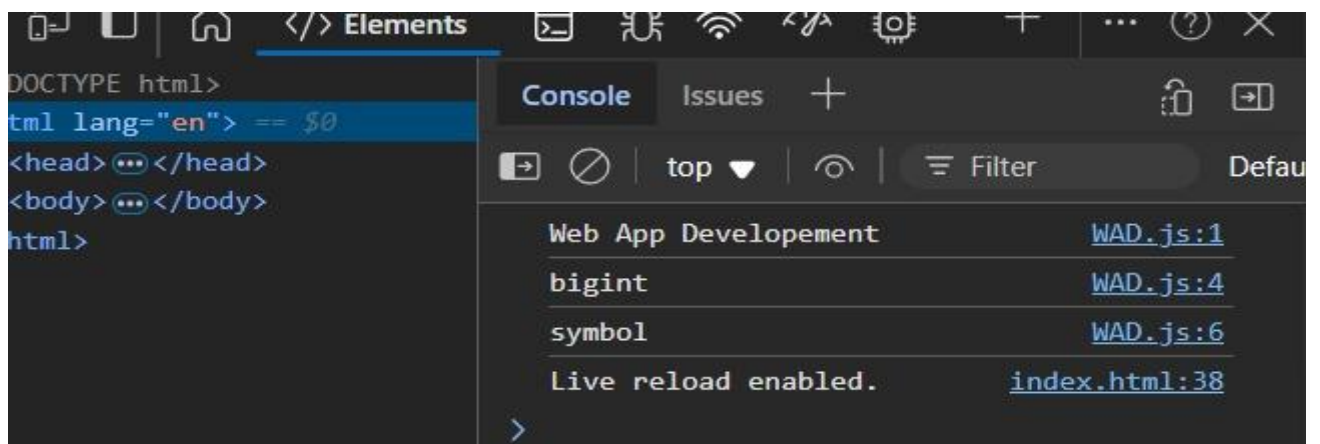
Task 2

```javascript
const Product={
    name:"PakWheels Waterless & Glass Cleaner",
    category:"Car Cleaning",
    originalPrice:1198,
    discountPercentage:20,
    discountedPrice:958,
    brand:"PakWheels"
};
console.log(Product);
```

Console   Issues   +

top ▼   Filter   Def

Web App Developement   WAD.js:1
                                        WAD.js:10
▼ Object i
    brand: "PakWheels"
    category: "Car Cleaning"
    discountPercentage: 20
    discountedPrice: 958
    name: "PakWheels Waterless & Glass Cle
    originalPrice: 1198
    ▶ [[Prototype]]: Object
Live reload enabled.   index.html:38
>

Task 3

```js
const InstagramProfile={
    username:"raja.ayesha_1",
    name:"Ayesha Janjua",
    posts:0,
    followers:64,
    following:617,
    bio: {
        religion:"Muslim",
        nationality:"Pakistani",
        profession:"Nutritionist",
        interest: "White lover"
    },
    followedBy: ["alix123", "hajra12", "6 others"],
    profilePicture: "C:\Users\INFOTECH\OneDrive\Desktop\web app development\images.html\Riphahlogo.jpg"
};
console.log(InstagramProfile);
```

```
Elements        Console   Issues   +

<!DOCTYPE html>
<html lang="en"> == $0          top ▾         ≡ Filter        Defau
  <head>…</head>
  <body>…</body>                                    WAD.js:16
</html>                       ▼ Object i
                                ▶ bio: {religion: 'Muslim', nationality:
                                ▶ followedBy: (3) ['alix123', 'hajra12',
                                  followers: 64
                                  following: 617
                                  name: "Ayesha Janjua"
                                  posts: 0
                                  profilePicture: "C:UsersINFOTECHOneDri
                                  username: "raja.ayesha_1"
                                ▶ [[Prototype]]: Object
                              ─────────────────────────────────────────
                              Live reload enabled.        index.html:38
```

TASK 4

```
     2    let a = 5;
     3
     4    console.log('Initial value of a:', a);
     5
     6    // Postfix increment (a++)
     7    let postIncrement = a++;
     8    console.log('Postfix increment (a++):', postIncrement);
     9    console.log('Value of a after a++:', a);
    10
    11    // Prefix increment (++a)
    12    let preIncrement = ++a;
    13    console.log('Prefix increment (++a):', preIncrement);
    14    console.log('Value of a after ++a:', a);
    15
    16    // Postfix decrement (a--)
    17    let postDecrement = a--;
    18    console.log('Postfix decrement (a--):', postDecrement);
    19    console.log('Value of a after a--:', a);
    20
    21    // Prefix decrement (--a)
    22    let preDecrement = --a;
    23    console.log('Prefix decrement (--a):', preDecrement);
    24    console.log('Value of a after --a:', a);
```

```
Web App Developement                    WAD.js:1
Initial value of a: 5                    WAD.js:4
Postfix increment (a++): 5               WAD.js:8
Value of a after a++: 6                  WAD.js:9
Prefix increment (++a): 7                WAD.js:13
Value of a after ++a: 7                  WAD.js:14
Postfix decrement (a--): 7               WAD.js:18
Value of a after a--: 6                  WAD.js:19
Prefix decrement (--a): 5                WAD.js:23
Value of a after --a: 5                  WAD.js:24
Live reload enabled.                  index.html:38
> |
```

TASK 5

```js
console.log("Web App Developement")


// Prompt user to enter a number
let number = prompt("Enter a number to check if it's a r

// Convert the input to a number (since prompt returns a
number = Number(number);

// Check if the number is a multiple of 3
if (number % 3 === 0) {
    alert(number + " is a multiple of 3.");
} else {
    alert(number + " is not a multiple of 3.");
}
```

127.0.0.1:5500 says

Enter a number to check if it's a multiple of 3:

6

OK   Cancel

127.0.0.1:5500 says

6 is a multiple of 3.

OK
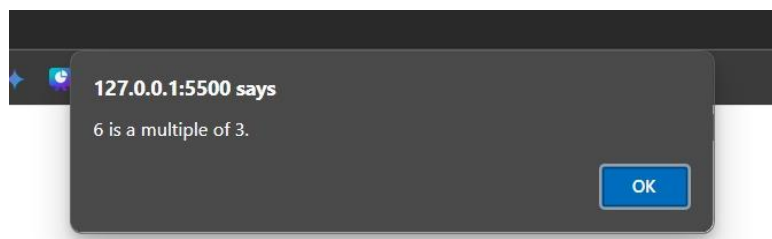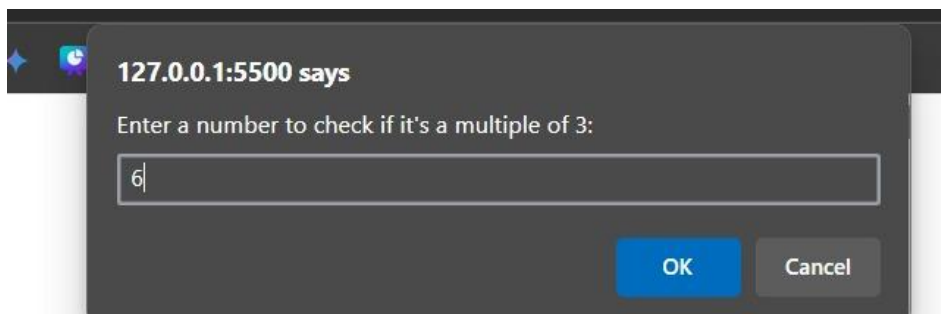
TASK 6

```js
JS WAD.js > ...
 1    console.log("Web App Developement")
 2
 3    let score = prompt("Enter the student's score (0-100):");
 4
 5    score = Number(score);
 6    let grade;
 7    if (score >= 80 && score <= 100) {
 8        grade = "A";
 9    } else if (score >= 70 && score < 80) {
10        grade = "B";
11    } else if (score >= 60 && score < 70) {
12        grade = "C";
13    } else if (score >= 50 && score < 60) {
14        grade = "D";
15    } else if (score >= 0 && score < 50) {
16        grade = "F";
17    } else {
18        grade = "Invalid score! Please enter a number between 0 and 100.";
19    }
20    alert("The grade for a score of " + score + " is: " + grade);
21
```

127.0.0.1:5500 says

Enter the student's score (0-100):

50

OK   Cancel

127.0.0.1:5500 says

The grade for a score of 50 is: D

OK