

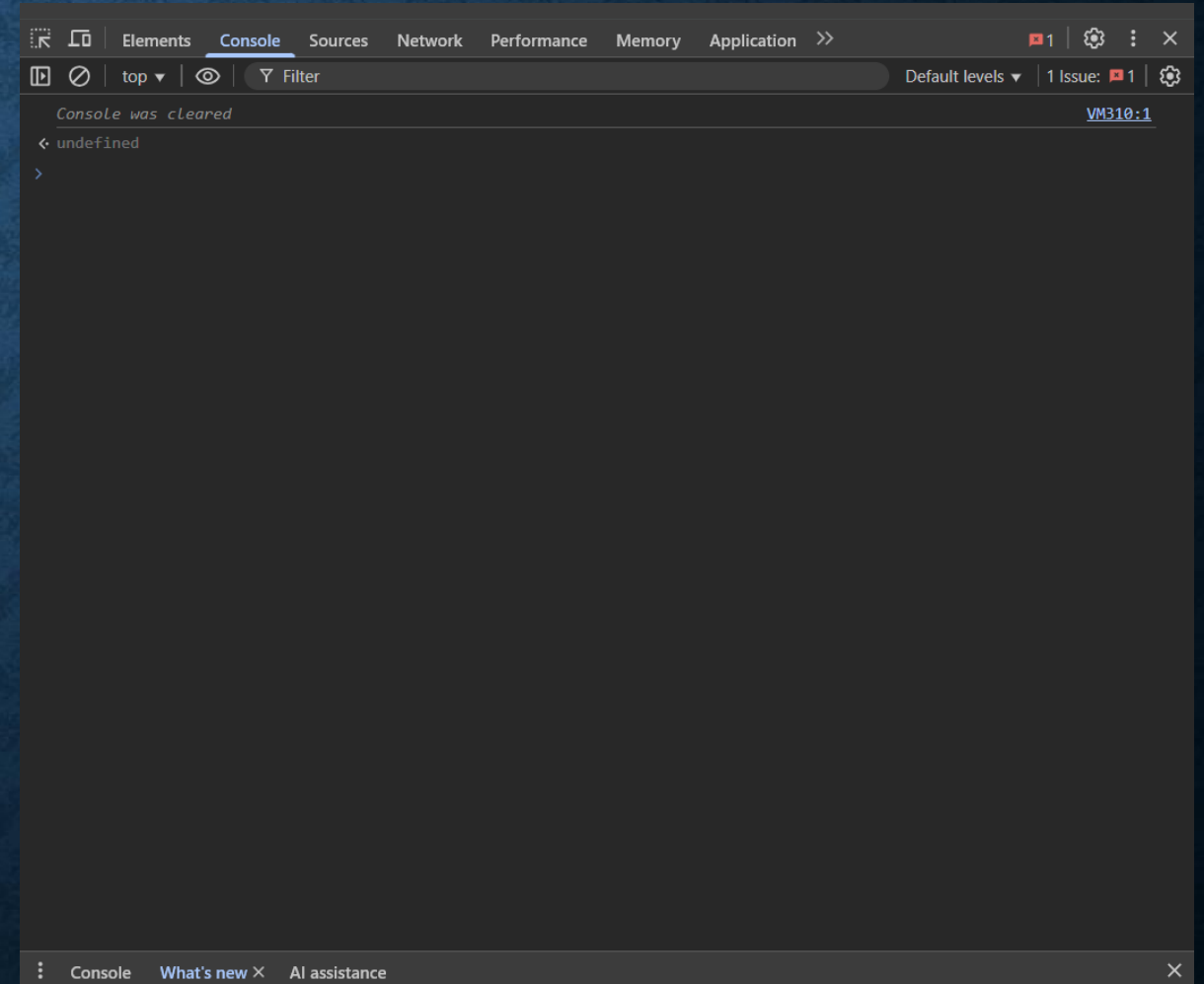
WEB2 CONSOLE LAB SHEET

Done by : Abdullah Raed Qubbaj

Stu#:320230601004

TASK 1:LAUNCHING THE CONSOLE

- 1. Open Chrome and press Ctrl+T (Windows) or Cmd+T (Mac) for a new tab.
- 2. Right-click → Inspect.
- 3. Go to the Console tab.
- 4. Type the following command to clear the console:
- `console.clear();`



1. Welcome message

```
console.log(" Welcome to JavaScript Console Lab!")
```

2. Dynamic Variables

Declare these variables in your console:

```
let score = 100;
```

```
const PI = 3.14159;
```

```
var username = "DevExplorer";
```

Now print them with:

```
console.log(`Score: ${score}, PI: ${PI}, User: ${username}`);
```

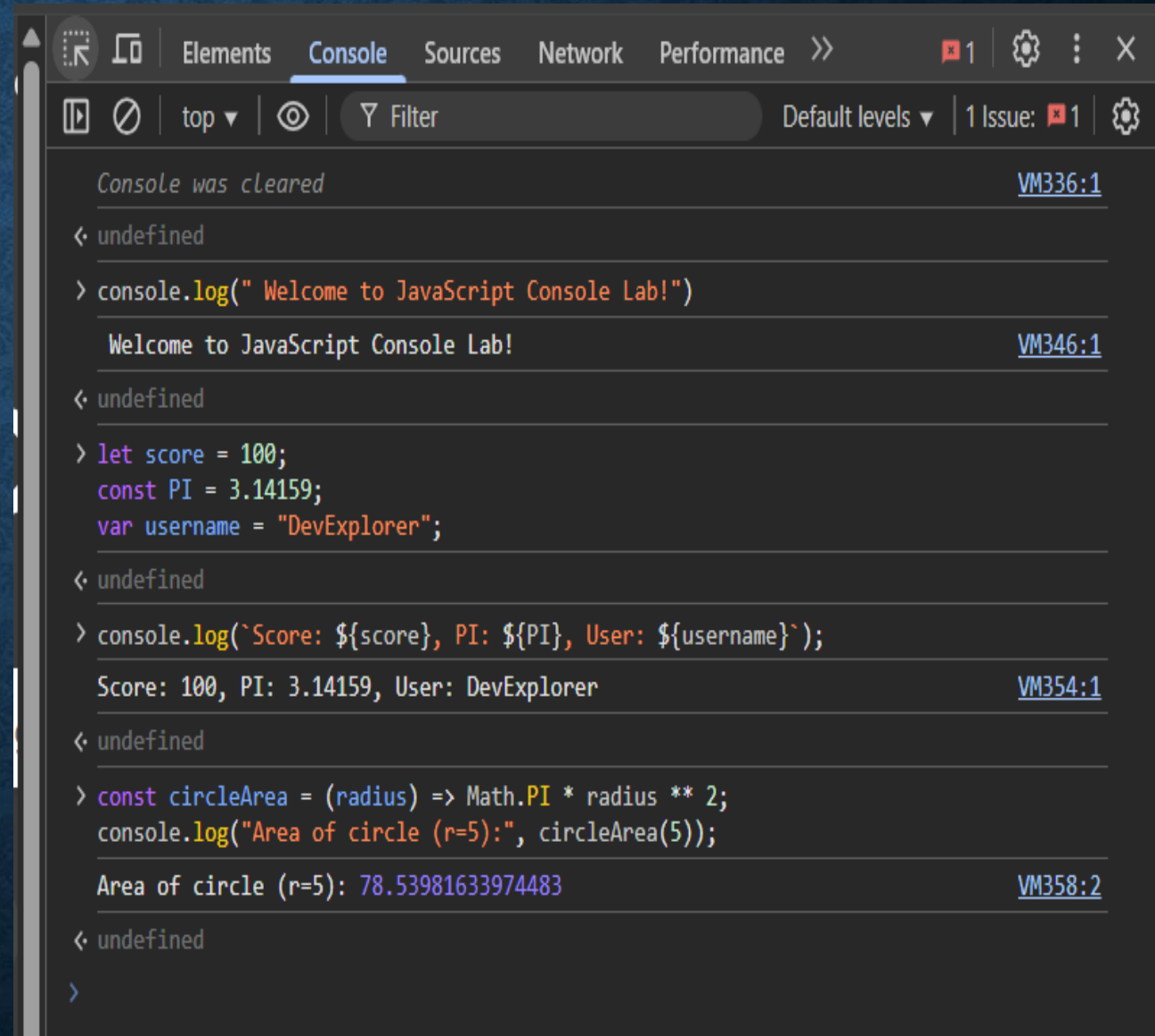
3. Arrow Functions

Find circle Area:

```
const circleArea = (radius) => Math.PI * radius ** 2;
```

```
console.log("Area of circle (r=5):", circleArea(5));
```

TASK 2: BASIC JAVASCRIPT



```
Console was cleared VM336:1
< undefined
> console.log(" Welcome to JavaScript Console Lab!")
Welcome to JavaScript Console Lab! VM346:1
< undefined
> let score = 100;
const PI = 3.14159;
var username = "DevExplorer";
< undefined
> console.log(`Score: ${score}, PI: ${PI}, User: ${username}`);
Score: 100, PI: 3.14159, User: DevExplorer VM354:1
< undefined
> const circleArea = (radius) => Math.PI * radius ** 2;
console.log("Area of circle (r=5):", circleArea(5));
Area of circle (r=5): 78.53981633974483 VM358:2
< undefined
>
```

TASK 3: LOGIC & CONTROL FLOW

1. Conditional Checks

Age Checker:

```
let userAge = prompt("How old are you?");  
if (userAge >= 18) console.log(" Access granted!");  
else console.log(" ❌ Sorry, adults only.");
```

2. Switch-Case

```
let dayNum = parseInt(prompt("Enter a number (1-7):"));  
switch (dayNum) {  
  case 1: console.log("Sunday "); break;  
  case 2: console.log("Monday "); break;  
  default: console.log("Invalid input!"); }  
}
```

3. Loops

Use a for loop to print numbers even from 2 through 10.

```
for (let i = 2; i <= 10; i += 2) {  
  console.log(`Even number: ${i}`);  
}
```

Console was cleared

[VM387:1](#)

← undefined

```
> let userAge = prompt("How old are you?");  
if (userAge >= 18) console.log(" Access granted!");  
else console.log(" ❌ Sorry, adults only.");
```

Access granted!

[VM391:2](#)

← undefined

```
> let dayNum = parseInt(prompt("Enter a number (1-7):"));  
switch (dayNum) {  
  case 1: console.log("Sunday "); break;  
  case 2: console.log("Monday "); break;  
  default: console.log("Invalid input!");  
}
```

Invalid input!

[VM395:5](#)

← undefined

```
> for (let i = 2; i <= 10; i += 2) {  
  console.log(`Even number: ${i}`);  
}
```

Even number: 2

[VM399:2](#)

Even number: 4

[VM399:2](#)

Even number: 6

[VM399:2](#)

Even number: 8

[VM399:2](#)

Even number: 10

[VM399:2](#)

← undefined

TASK 4: COLLECTIONS

1. Arrays

```
let fruits = ["Apple", "Banana", "Orange"];  
fruits.push("Grapes");  
console.log("Second fruit:", fruits[1]);
```

2. Maps

```
let userSettings = new Map();  
userSettings.set("theme", "dark");  
console.log("Current theme:",  
userSettings.get("theme"));
```

