

ASSIGNMENT

-PALLAVI M

(727822TUAM034)

1. Write a javascript function called Triangle Area takes and returns the calculate the area?

INPUT:

```
function triangleArea(base, height) {  
    return 0.5 * base * height;  
}  
let area = triangleArea(10, 5);  
console.log(area);
```

OUTPUT: 25

2. Write a javascript function called printSquare and uses a loop to print the pattern?

INPUT:

```
function printSquare(size) {  
    for (let i = 0; i < size; i++) {  
        let row = "";  
        for (let j = 0; j < size; j++) {  
            row += '* ';  
        }  
        console.log(row);  
    }  
}  
printSquare(4);
```

OUTPUT:

Example: printing a square of size 4

4. Modules in javascript

INPUT:

```
// module1.js  
export const sayHello = () => {  
    console.log('Hello from module1!');  
};  
// module2.js  
export const sayGoodbye = () => {
```

```
    console.log('Goodbye from module2!');
};
// main.js
import { sayHello } from './module1.js';
import { sayGoodbye } from './module2.js';
```

OUTPUT:

```
sayHello(); // Output: Hello from module1!
sayGoodbye(); // Output: Goodbye from module2!
```

4. Write a JavaScript function that checks the age above 18 for voting eligibility Function.

INPUT:

```
checkVotingEligibility(age) {
  if (age >= 18) {
    return "You are eligible to vote!";
  } else {
    return "You are not eligible to vote yet.";
  }
}
// Example usage:
let personAge = 20;
console.log(checkVotingEligibility(personAge));
```

OUTPUT:

You are eligible to vote!