Test Questions:

1. **Variables**: Declare a constant PI with value 3.14 and a variable radius with value 5, then calculate the area of a circle (πr^2)
2. **Ternary Operator**: Write a program that checks if a number is positive or negative using ternary operator
3. **Arrow Functions**: Convert this function to arrow function:

```
function multiply(a, b) {

 return a * b;

}
```

1. **Array.map()**: Given an array [1, 2, 3], create a new array with each number squared
2. **Array.filter()**: From an array [10, 15, 20, 25], filter out numbers less than 18
3. **Array.reduce()**: Calculate the sum of [5, 10, 15] using reduce()
4. **Template Literals**: Create a string using template literals that combines a name and age variable into "Name is age years old"
5. **Destructuring**: Extract firstName and age from this object:

```
 const person = { firstName: "John", age: 30, city: "New York" }
```

1. **Spread Operator**: Merge two arrays [1, 2] and [3, 4] into one array using spread operator
2. **Classes**: Create a Rectangle class with width and height properties and an area() method
3. **Modules**: Create a module math.js that exports a square function, then import and use it in app.js
4. **JSON**: Convert this object to JSON string and back:

```
 const book = { title: "JavaScript", pages: 300 }
```

1. **if-else**: Write a program that assigns grades (A, B, C) based on a score (90+, 80+, below 80)
2. **for loop**: Print numbers from 1 to 5 using a for loop
3. **while loop**: Print numbers from 1 to 5 using a while loop
4. **Pseudocode**: Write pseudocode to find the largest of three numbers
5. **Function**: Create a function that takes two numbers and returns their sum
6. **Array.forEach()**: Use forEach() to print each item in the array ["apple", "banana", "cherry"]