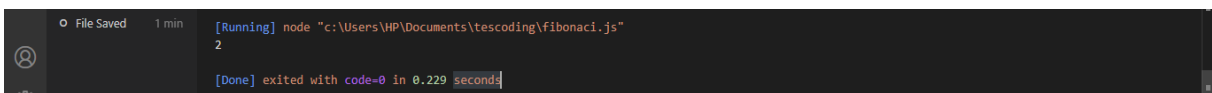


LOGIC TEST

1. Fibonacci


```
2. const nearestFibonacci = (arr) => {
3.   let num = arr.reduce((a, b) => a + b, 0);
4.   if (num == 0) {
5.     return 0;
6.   }
7.
8.   let first = 0,
9.       second = 1;
10.
11.  let third = first + second;
12.
13.  while (third <= num) {
14.    first = second;
15.    second = third;
16.    third = first + second;
17.  }
18.
19.  let ans = Math.abs(third - num) >= Math.abs(second - num) ? second :
    third;
20.  return Math.abs(ans-num);
21. };
22.
23. console.log(nearestFibonacci([15, 1, 3]));
```



A terminal window showing the execution of the Fibonacci function. The command prompt is 'node "c:\Users\HP\Documents\tescoding\fibonacci.js"'. The output is '2'. The status bar indicates '[Done] exited with code=0 in 0.229 seconds'.

2. FindMiddleAlphabet

```
3. const findMiddleAlphabet = (first, second) => {
4.   const firstAlphabet = first.charCodeAt(0);
5.   const secondAlphabet = second.charCodeAt(0);
6.   if((firstAlphabet+secondAlphabet) % 2 === 0) {
7.     return String.fromCharCode((firstAlphabet+secondAlphabet)/2);
8.   }
9.   return String.fromCharCode((firstAlphabet+secondAlphabet-
    1)/2)+String.fromCharCode((firstAlphabet+secondAlphabet+1)/2);
10. };
11.
12. console.log(findMiddleAlphabet("Q", "Z"));
```



A terminal window showing the execution of the FindMiddleAlphabet function. The command prompt is 'node "c:\Users\HP\Documents\tescoding\FindMiddleAlphabet.js"'. The output is 'UV'. The status bar indicates '[Done] exited with code=0 in 0.228 seconds'.

3. ReverseWord

```
const reverseWord = (str) => {  
  let arr = str.split(' ');  
  let newArr = [];  
  for (let i = 0; i < arr.length; i++) {  
    let reverseWord = arr[i].split('').reverse().join('');  
    reverseWord = reverseWord.toLowerCase();  
    reverseWord = reverseWord.charAt(0).toUpperCase() + reverseWord.slice(1)  
    newArr.push(reverseWord);  
  }  
  return newArr.join(' ');  
};  
  
console.log(reverseWord("I am A Great human"));
```

