```
Name: Amar Anand Gaikwad
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Passing Year: 2023

CGPA:8.63

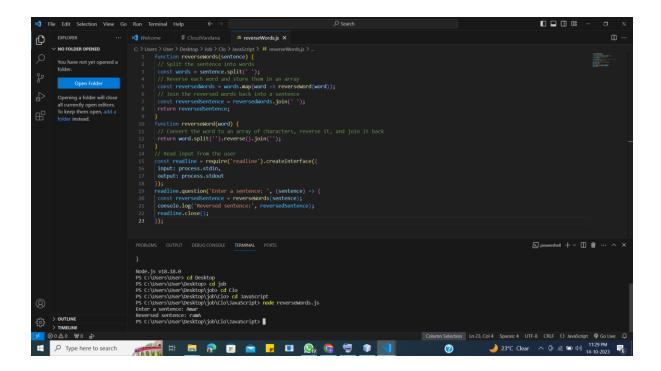
College: DY Patil College Of Engineering, Akurdi (DYPCOE)

Programming Language: JavaScript

1. Take a sentence as an input and reverse every word in that sentence.

```
function reverseWords(sentence) {
  // Split the sentence into words
  const words = sentence.split(' ');
  // Reverse each word and store them in an array
  const reversedWords = words.map(word => reverseWord(word));
  // Join the reversed words back into a sentence
  const reversedSentence = reversedWords.join(' ');
  return reversedSentence;
}
function reverseWord(word) {
  // Convert the word to an array of characters, reverse it, and join it back
  return word.split(").reverse().join(");
}
// Read input from the user
const readline = require('readline').createInterface({
  input: process.stdin,
  output: process.stdout
});
readline.question('Enter a sentence: ', (sentence) => {
  const reversedSentence = reverseWords(sentence);
  console.log('Reversed sentence:', reversedSentence);
  readline.close();
});
```

Output:



2. Perform sorting of an array in descending order.

```
// array
const numbers = [10, 3, 1, 8, 5, 7];

// Custom comparison function for descending order
function compareDescending(a, b) {
    return b - a;
}

// Sort the array in descending order
numbers.sort(compareDescending);

// Display the sorted array
console.log("Sorted array in descending order:", numbers);
```

Output:

