1. Find the Third Largest Number in an Array

Question: Given an array of numbers, find the third largest number without sorting the array.

```
function thirdLargest(arr) {
  // Your code here
}
console.log(thirdLargest([4, 1, 6, 2, 8, 10])); // Output: 6
console.log(thirdLargest([10, 20, 30, 5, 7])); // Output: 10
```

Concepts: Loops, conditional statements.

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2. Reverse a Number

Question: Given an integer, reverse its digits without converting it into a string.

```
function reverseNumber(num) {
  // Your code here
}
console.log(reverseNumber(1234)); // Output: 4321
console.log(reverseNumber(-567)); // Output: -765
```

Concepts: Loops, arithmetic operations.

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3. Check if Two Strings are Anagrams

Question: Write a function to check if two strings are anagrams of each other.

```
function isAnagram(str1, str2) {
  // Your code here
}
console.log(isAnagram("listen", "silent")); // Output: true
console.log(isAnagram("hello", "world")); // Output: false
```

Concepts: Loops, frequency counting.

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4. Find the First Non-Repeating Character

Question: Given a string, find the first character that does not repeat.

```
function firstNonRepeatingChar(str) {
  // Your code here
}
console.log(firstNonRepeatingChar("aabbccddeffg")); // Output: "g"
console.log(firstNonRepeatingChar("hello")); // Output: "h"
```

Concepts: Loops, hash maps.

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5. Find the Longest Word in a Sentence

Question: Given a sentence, find the longest word in it without using built-in functions like `split()`.

```
function longestWord(sentence) {
  // Your code here
}
console.log(longestWord("JavaScript is an amazing language")); // Output: "JavaScript"
console.log(longestWord("I love coding")); // Output: "coding"
```

Concepts: Loops, string manipulation.