

**Assignment 07**

**Training Program:** MERN Stack Development

**Trainer:** Ahsan Javed

**Topic:** Functions

**Due Date:** August 21, 2024

**Task 1: Function Expression to Arrow Function**

Convert the following function into **Arrow Function**:

const getPersonInfo = function(person) {

  return `Name: ${person.name}, Age: ${person.age}`;

};

console.log(getPersonInfo({ name: 'Ahsan Javed', age: 99 }));

**Task 2: Function (Declaration OR Expression) and Arrow Function**

Write **both** Function and Arrow Function of the following:

1. **Sum of Two Numbers:**

Write a function that takes two numbers as arguments and returns their sum.

1. **Check Even or Odd:**

Create a function that checks whether a given number is even or odd.

1. **Find Maximum:**

Implement a function that takes three numbers as arguments and returns the largest one.

1. **Factorial Calculation:**

Write a function to calculate the factorial of a given number. For example, factorial of 4 is 4\*3\*2\*1 = 24.

1. **Palindrome Check:**

Create a function that checks whether a given string is a palindrome. For example, *aabaa* is a palindrome, while *aabbba* is not a palindrome.

1. **Fibonacci Sequence:**

Write a function to generate the first *n* numbers in the Fibonacci sequence. For example, for *n = 6* the Fibonacci sequence is 1, 1, 2, 3, 5, 8.

1. **Prime Number Check:**

Implement a function to check whether a given number is prime.

1. **String Reversal:**

Create a function that takes a string as input and returns the string in reverse order. For example, if input is *ahsan javed*, then output will be *devaj nasha*.

**Submission Guidelines**

* Create a JS file and write code in it. Save it as **fname-lname-a-07.js**, where fname is your first name and lname is your last name.
* Send the file at [ahsanjaved@skilovate.com](mailto:ahsanjaved@skilovate.com) with subject **Assignment 07**.