

TASK ON VARIABLE,FUNCTION AND ARRAYS

✓ 1. Variables (5 Questions)

Practice declaring, assigning, and manipulating variables.

Q1. Declare a variable called `username` and assign your name to it. Then print it.

Q2. Declare two numbers `a = 12` and `b = 4`. Print their sum.

Q3. Change the value of a variable `city` from `"Kigali"` to `"Musanze"` and print it after change.

Q4. Create a variable called `isLoggedIn` and set it to `true`. Then print: `User is logged in: true`

Q5. Declare a `const` variable named `pi` with value `3.14`. Try changing its value and observe what happens.

✓ 2. Functions (5 Questions)

Q1.

Create a function `multiply(a, b)` that returns the product of two numbers.

Then create another function `doubleProduct(x, y)` that uses `multiply(x, y)` and multiplies the result by 2.

🔧 **Q2.**

Create a function `isAdult(age)` that returns `true` if the age is 18 or above.

Then create another function `checkEligibility(name, age)` that calls `isAdult(age)` and prints:

"John is eligible" or "John is not eligible".

🔧 **Q3.**

Create a function `getArea(length, width)` that returns area of a rectangle.
Then create a function `printArea(length, width)` that uses `getArea()` and prints:

"The area is: 48"

🔧 Q4.

Create a function `toUpper(text)` that converts a string to uppercase.
Then create a function `greetUser(name)` that calls `toUpper(name)` and prints:

"Hello, JOHN!"

🔧 Q5.

Create a function `isEven(num)` that returns true if the number is even.
Then create a function `printEvenStatus(num)` that calls `isEven(num)` and prints:

"8 is even" or "9 is not even"

✓ 3. Arrays (5 Questions)

Practice array creation, manipulation, and access.

Q1. Create an array `fruits` with values: "Apple", "Banana", "Mango". Print it.

Q2. Add "Orange" to the end of the `fruits` array using `push()` and print it.

Q3. Remove the first element from the array using `shift()` and print the array.

Q4. Print the second item in the `fruits` array.

Q5. Write a function `printArray(arr)` that takes an array and prints all elements using a loop.