

Assignment #2 PRU-SEN/DTS 102

Solve the following and submit in the form of a jupyter notebook. Use comments where appropriate.

1. Write a function that returns the maximum of two numbers.
2. Write a function called **fizz_buzz** that takes a number.
 - a. If the number is divisible by 3, it should return "**Fizz**".
 - b. If it is divisible by 5, it should return "**Buzz**".
 - c. If it is divisible by both 3 and 5, it should return "**FizzBuzz**".
 - d. Otherwise, it should return the same number.
3. Write a function that returns the number of characters in a string.
4. Create a function **show_employee()** using the following conditions.
 - a. It should accept the employee's name and salary and display both.
 - b. If the salary is missing in the function call then assign default value 90,000 naira to salary.
5. Create function **calculation()** such that it can accept two variables and calculate addition , subtraction, and multiplication. Also, it must return the result of the addition, subtraction, and multiplication in a single return call.
6. Write a function named **is_odd** that takes in a number and returns True or False if that number is odd.
7. Write a function named **is_even** that takes in a number and returns True or False if that number is even.
8. Write a function named **cube** that takes in a number and returns the number times itself, times itself.
9. Write a function called **sqrt** that takes in a number and return its square root.
10. Write a function named **get_highest_number** that takes in sequence of numbers and returns the largest number.

NOTE: This is **NOT** a group assignment.