**First JAVA Assignment**

**NOTE: - Use VS code for this with proper comments (single line and multiline).**

**Use git to push the code.**

1. Write a Java program to print the sum of two numbers, subtraction, multiplication, division. (normal way)
2. For above program take input from user.
3. Write a Java program that takes a number as input and prints its multiplication table up to 10. (Hint- use Loop).
4. Write a Java program to print the area and perimeter of a rectangle. (use user input).
5. Write a Java program to swap two variables.
6. In above program with user input and without using third variable.
7. Write a Java program to add two binary numbers and divide them. (both in different program).
8. Write a Java program to convert a binary number to an octal number.
9. Write a Java program to convert an octal number to a hexadecimal number.
10. Write a Java program to compare two numbers. (take user input).
11. Write a Java program to count letters, spaces, numbers and other characters in an input string.
12. Write a Java program to print the ASCII value of a given character.
13. Write a Java program to display system time.
14. Write a Java program to print numbers between 1 and 100 divisible by 3, 5 and both.
15. Take input of age of 3 people by user and determine oldest and youngest among them.
16. Write a program triangle star Pattern.
17. Write a program on reverse star pattern.
18. Write a Java program that accepts two integer values from the user and returns the largest value. However, if the two values are the same, return 0 and find the smallest value if the two values have the same remainder when divided by 6.
19. Write a Java program to accept a number and check whether the number is even or not. Prints 1 if the number is even or 0 if odd.

20. Micro project.

**Scenario: -**

There is one hotel owner who have to designee a menu for this hotel.

Hotels have VEG, NOVEG section and Beverages.

Each Veg, non-Veg section and Beverages have 3-3 items. (programmers-chose items as you wish).

**TASK: -**

Take user ordered as per user wish.

There must be one option for no order.

**Remark for mini project.**

Try to make it fast executable.