PERFORMANCE TASK

NAME 1: Jay Ar D. De Guzman   STUD. NO: 204-0138
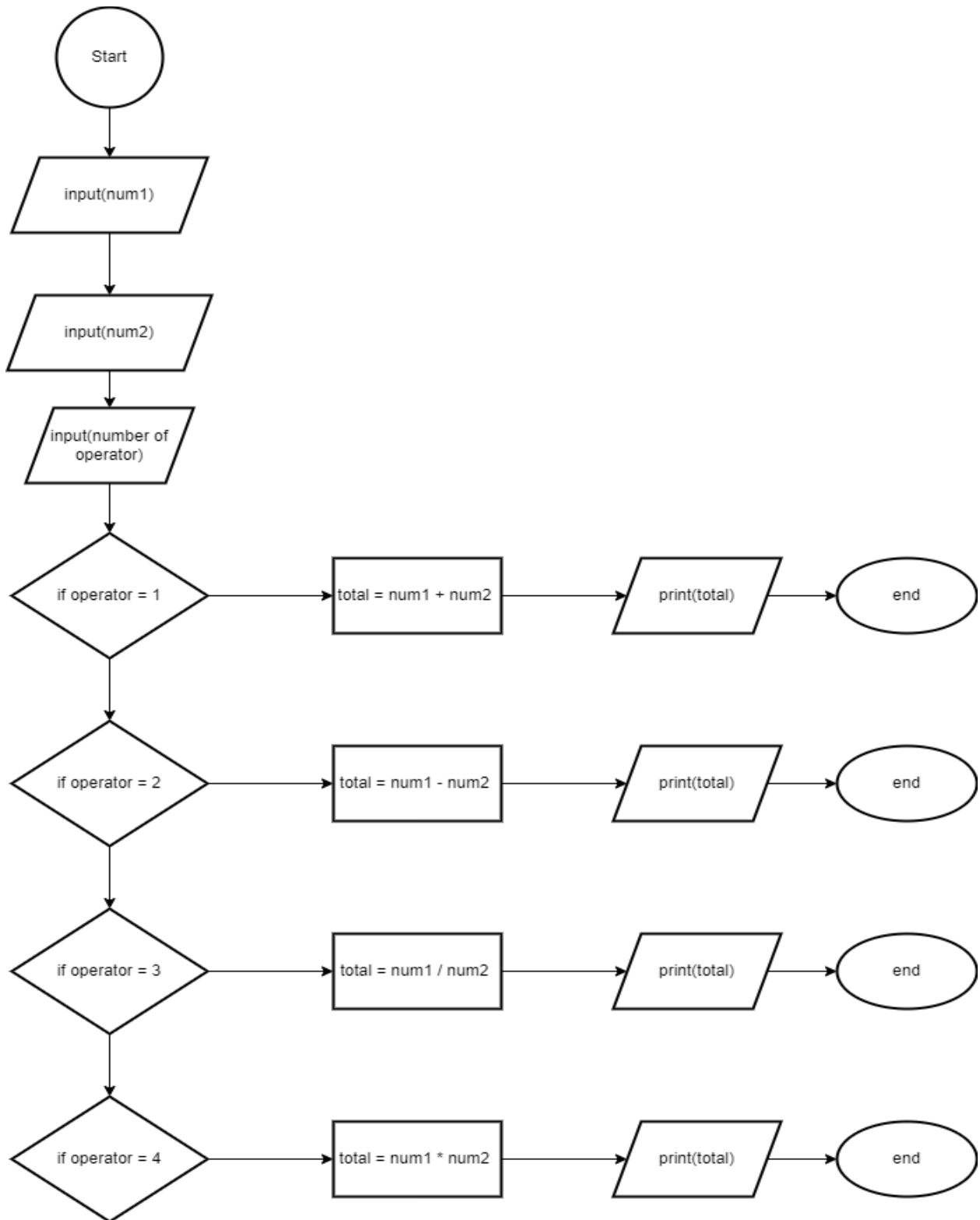NAME 2: Fritz Anthony M Joguilon   STUD. NO: 204-0183

NOTE: You can work as a team (by two's) or solo (individual)

- Using a function, create a program that will allow users to choose from 1-4.

- Use the following operations and create your own function name based on the operation.
    1 is for Addition
    2 is for Subtraction
    3 is for Division
    4 is for Multiplication
    Any number is invalid

- The program will then ask the user to input two integers

- Then it will automatically calculate and display the output based on the chosen operations.

    Requirements

- Flowchart

```
                    Start
                      |
                      v
                input(num1)
                      |
                      v
                input(num2)
                      |
                      v
            input(number of operator)
                      |
                      v
          if operator = 1  ---->  total = num1 + num2  ---->  print(total)  ---->  end
                      |
                      v
          if operator = 2  ---->  total = num1 - num2  ---->  print(total)  ---->  end
                      |
                      v
          if operator = 3  ---->  total = num1 / num2  ---->  print(total)  ---->  end
                      |
                      v
          if operator = 4  ---->  total = num1 * num2  ---->  print(total)  ---->  end
```

- Program source code

```python
def add(n1,n2):
    total = n1 + n2
    print("the sum of two numbers is", total)

def sub(n1,n2):
    total = n1 - n2
    print("the difference of two number is", total)

def multi(n1,n2):
    total = n1 * n2
    print("the product of two number is", total)

def divi(n1,n2):
    total = n1 / n2
    print("the quotient of two number is", total)




def main():
    print("_____")

    num1 = float(input("Input First Number:"))
    num2 = float(input("Input Second Number:"))

    print("_____")
    print("Choose Operation:")
    print("Press 1: Add:")
    print("Press 2: Subtraction:")
    print("Press 3: Division:")
    print("Press 4: Multiplication:")
    print("_____")

    operation = int(input("Select Operation: "))

    print("_____")
    if operation == 1:
        add(num1, num2)
    elif operation == 2:
        sub(num1, num2)
    elif operation == 3:
```

```
        divi(num1, num2)
    elif operation == 4:
        multi(num1, num2)
    else:
        print("Any number is invalid")

main()
```

- Output

```
----------------------------------
Input First Number:2
Input Second Number:1

----------------------------------
Choose Operation:
Press 1: Add:
Press 2: Subtraction:
Press 3: Division:
Press 4: Multiplication:

----------------------------------
Select Operation: 1

----------------------------------
the sum of two numbers is 3.0
----------------------------------
Input First Number: 2
Input Second Number:2

----------------------------------
Choose Operation:
Press 1: Add:
Press 2: Subtraction:
Press 3: Division:
Press 4: Multiplication:

----------------------------------
Select Operation: 2

----------------------------------
the difference of two number is 0.0
```

```
------------------------------------
Input First Number: 3
Input Second Number:3

------------------------------------
Choose Operation:
Press 1: Add:
Press 2: Subtraction:
Press 3: Division:
Press 4: Multiplication:

------------------------------------
Select Operation: 3

------------------------------------
the quotient of two number is 1.0
```

```
------------------------------------
Input First Number:4
Input Second Number:4

------------------------------------
Choose Operation:
Press 1: Add:
Press 2: Subtraction:
Press 3: Division:
Press 4: Multiplication:

------------------------------------
Select Operation: 4

------------------------------------
the product of two number is 16.0
```

```
_____
Input First Number:1
Input Second Number:2

_____
Choose Operation:
Press 1: Add:
Press 2: Subtraction:
Press 3: Division:
Press 4: Multiplication:

_____
Select Operation:  5

_____
Any number is invalid
```

- Screenshot of gmeet (while doing it as a team)
- Submit your work individually in pdf format

Z