Mark John Paul Pagarigan

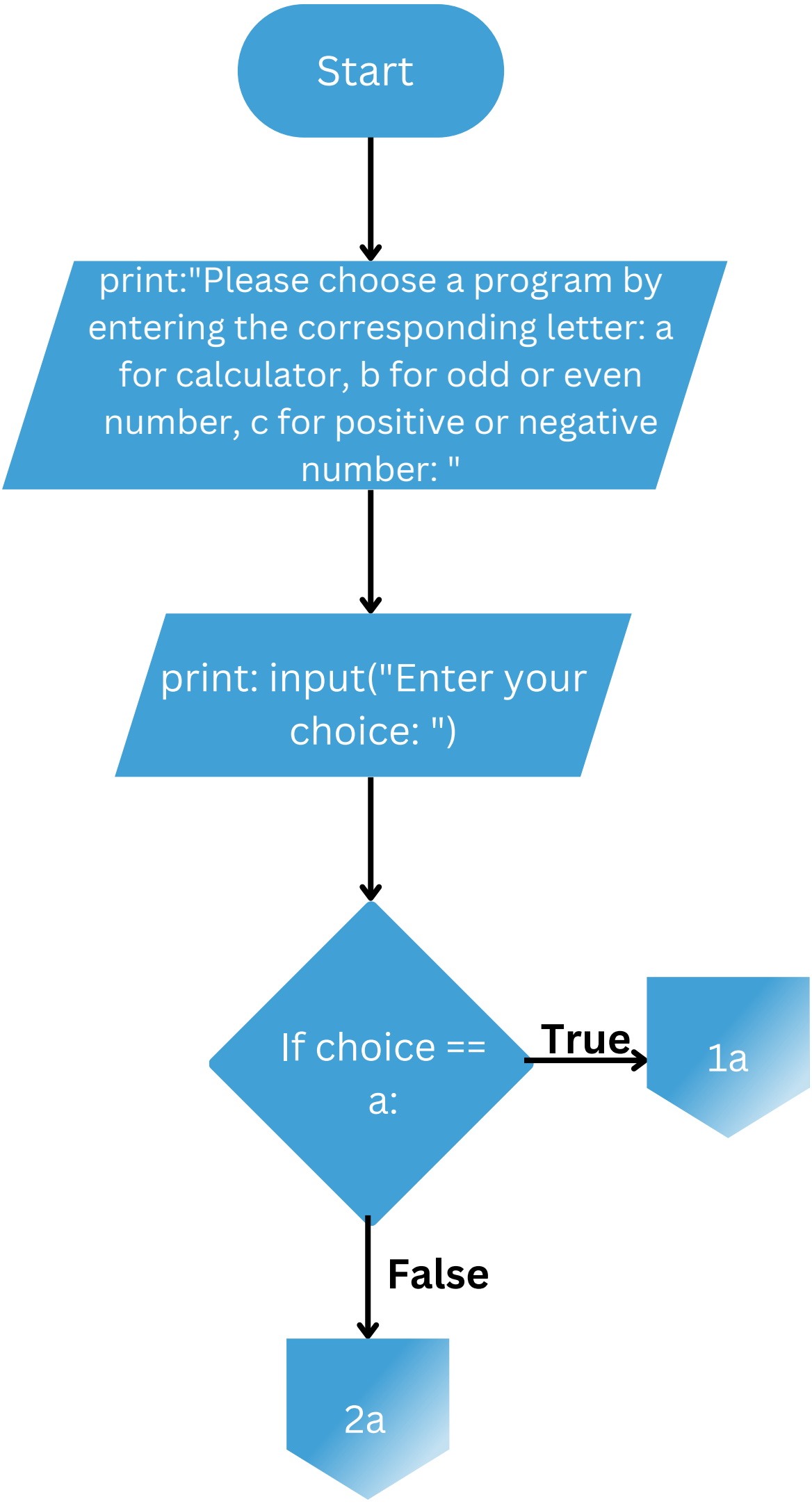
# Pseudocode

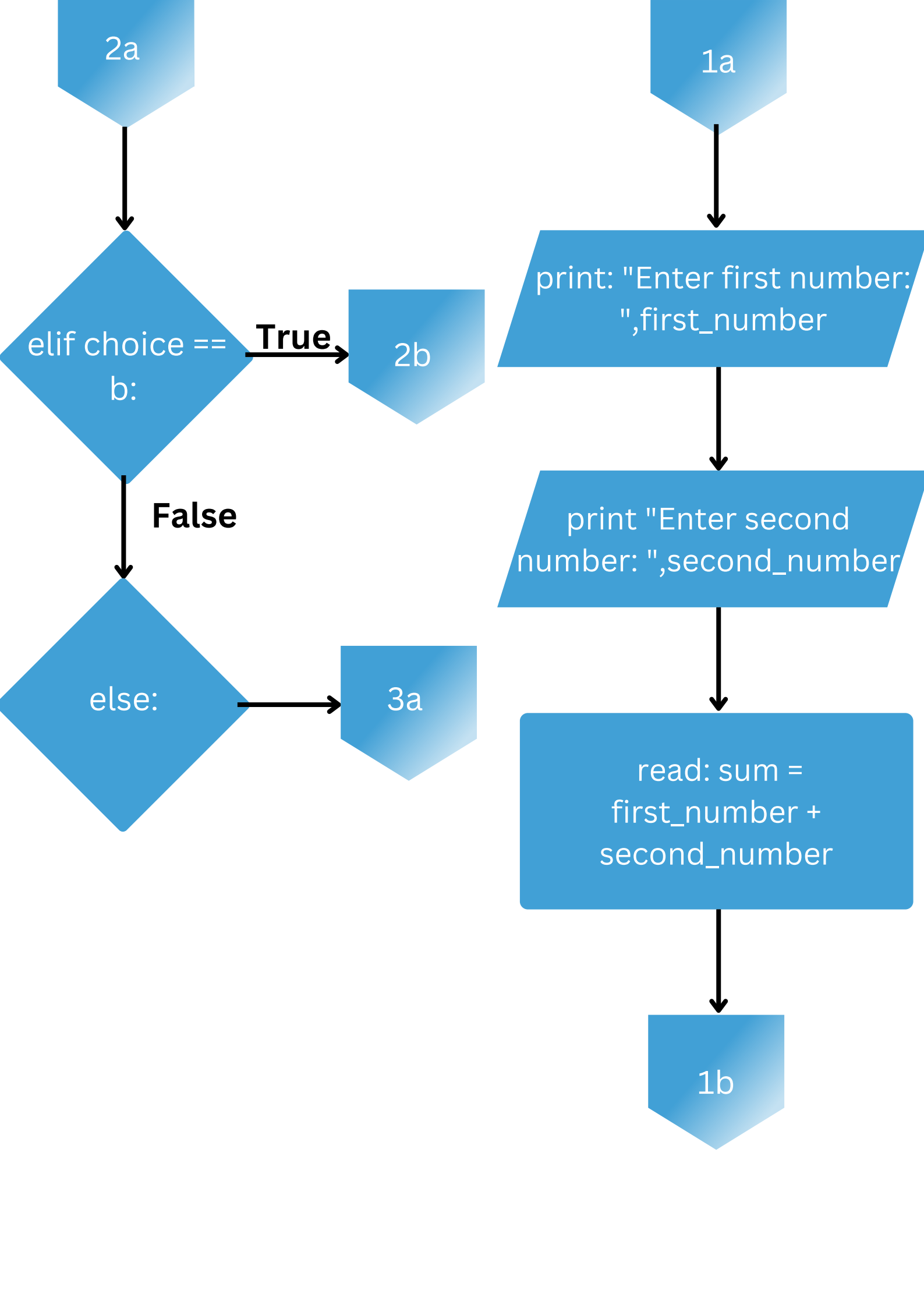
**Step 1**: Start
**Step 2**:print:"Please choose a program by entering the corresponding letter: a for calculator, b for odd or even number, c for positive or negative number: "
Step 3: print:  input("Enter your choice: ")
3.1: If choice == a:
3.2:  Go to Step 4
3.3: elif choice == b:
3.4  Go to Step 14
3.5 else:
3.6  Go to Step 17
Step 4: print: "Enter first number: ",first_number
Step 5: print "Enter second number: ",second_number
Step 6: read: sum = first_number + second_number
Step 7: read: difference = first_number - second_number
Step 8: read: product = first_number * second_number
Step 9: read: quotient = first_number / second_number
Step 10: print: "The sum of", first_number, "and", second_number, "is", sum
Step 11: print: "The difference of", first_number, "and", second_number, "is", difference"
Step 12: print: ""The product of", first_number, "and", second_number, "is", product"

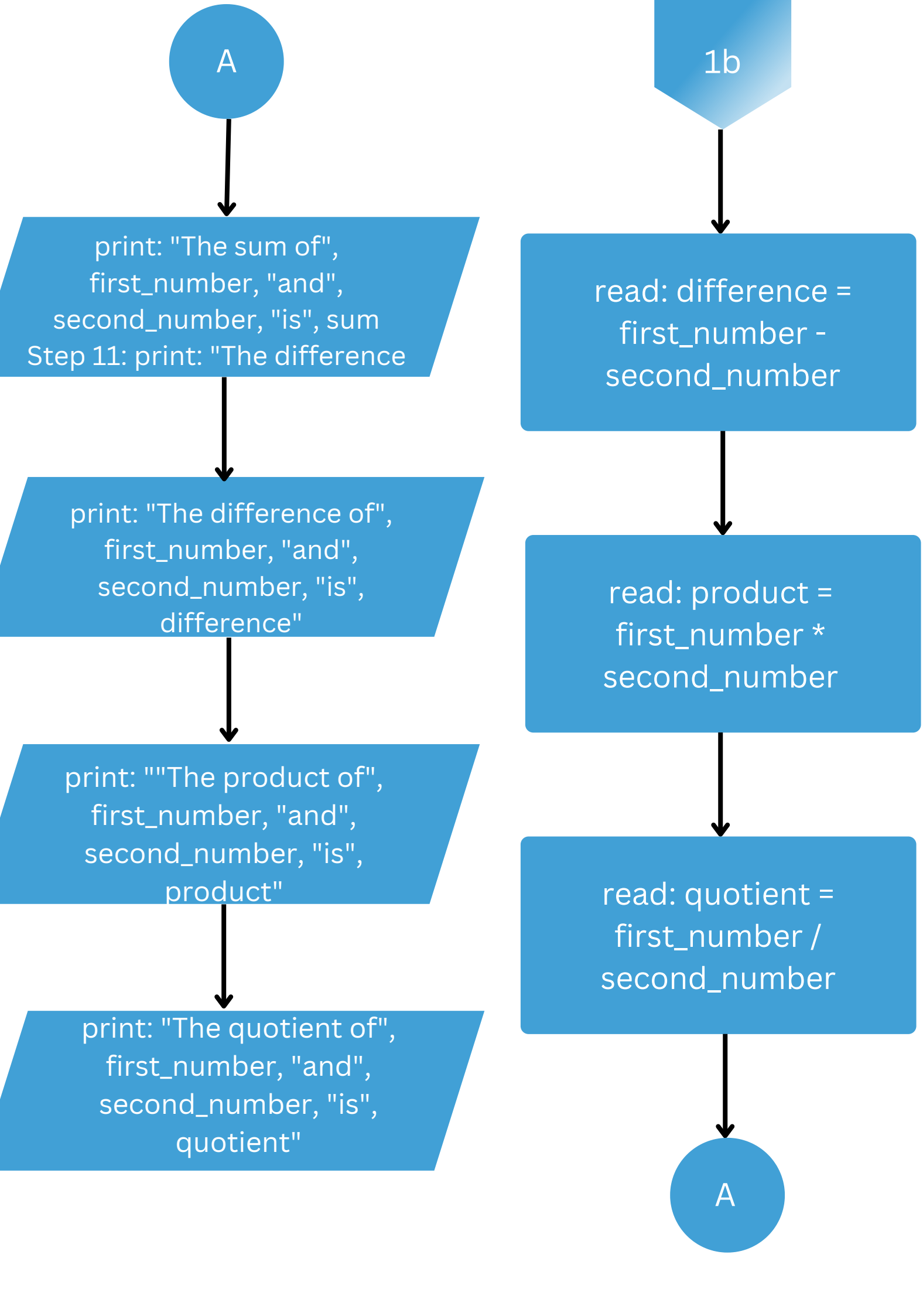
Mark John Paul Pagarigan

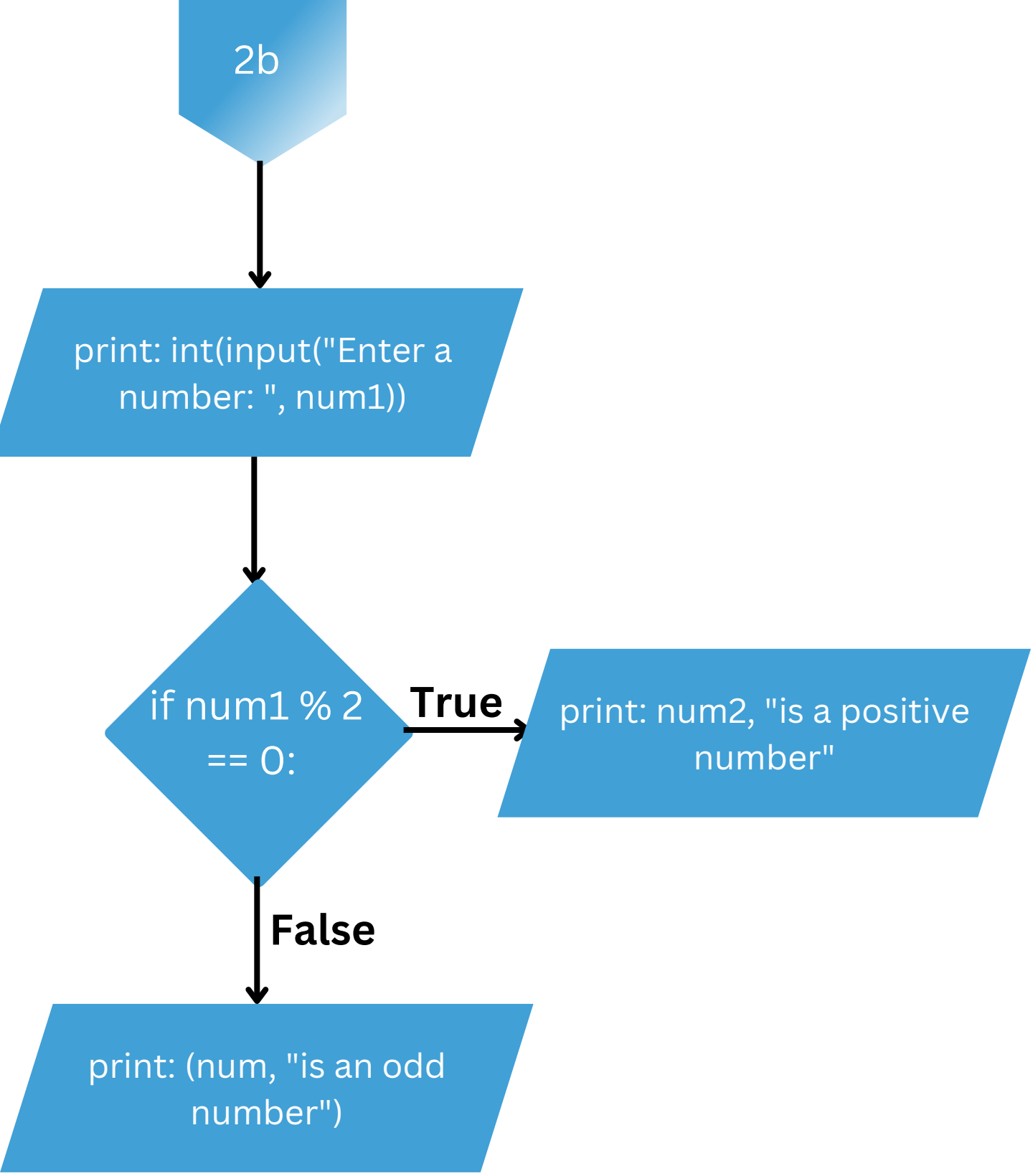
# Pseudocode

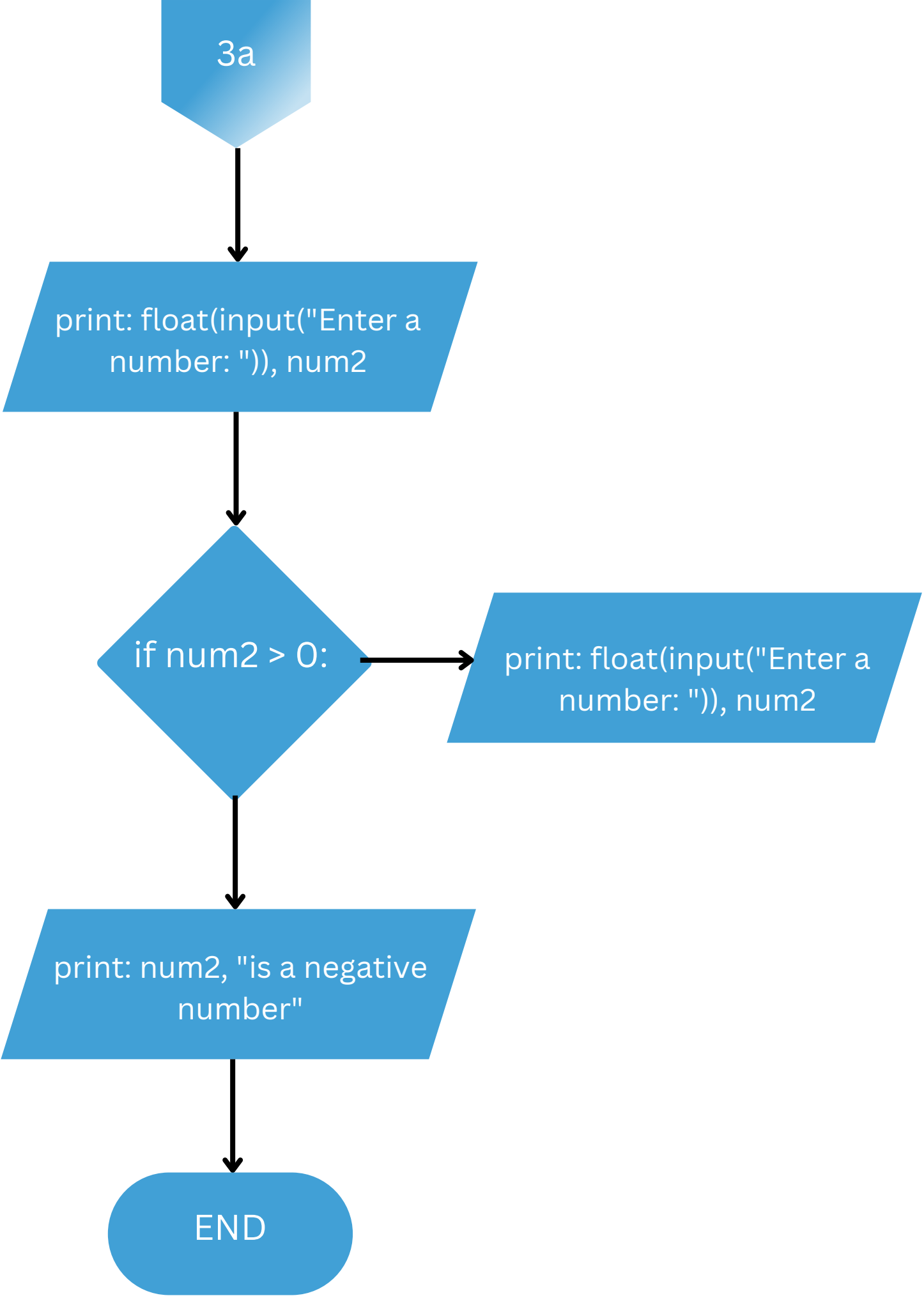
Step 13: print: "The quotient of", first_number, "and", second_number, "is", quotient"
Step 14: print: int(input("Enter a number: ", num1))
Step 15: if num1 % 2 == 0:
15.1 print: (num, "is an even number")
Step 16: else:
print: (num, "is an odd number")
Step 17: print: float(input("Enter a number: ")), num2
Step 18: if num2 > 0:
18.1 print: num2, "is a positive number"
Step 19: elif num2 < 0:
19.1 print: num2, "is a negative number"
Step 20: End


Start
print:"Please choose a program by entering the corresponding letter: a for calculator, b for odd or even number, c for positive or negative number: "
print: input("Enter your choice: ")
If choice == a:
True
1a
False
2a

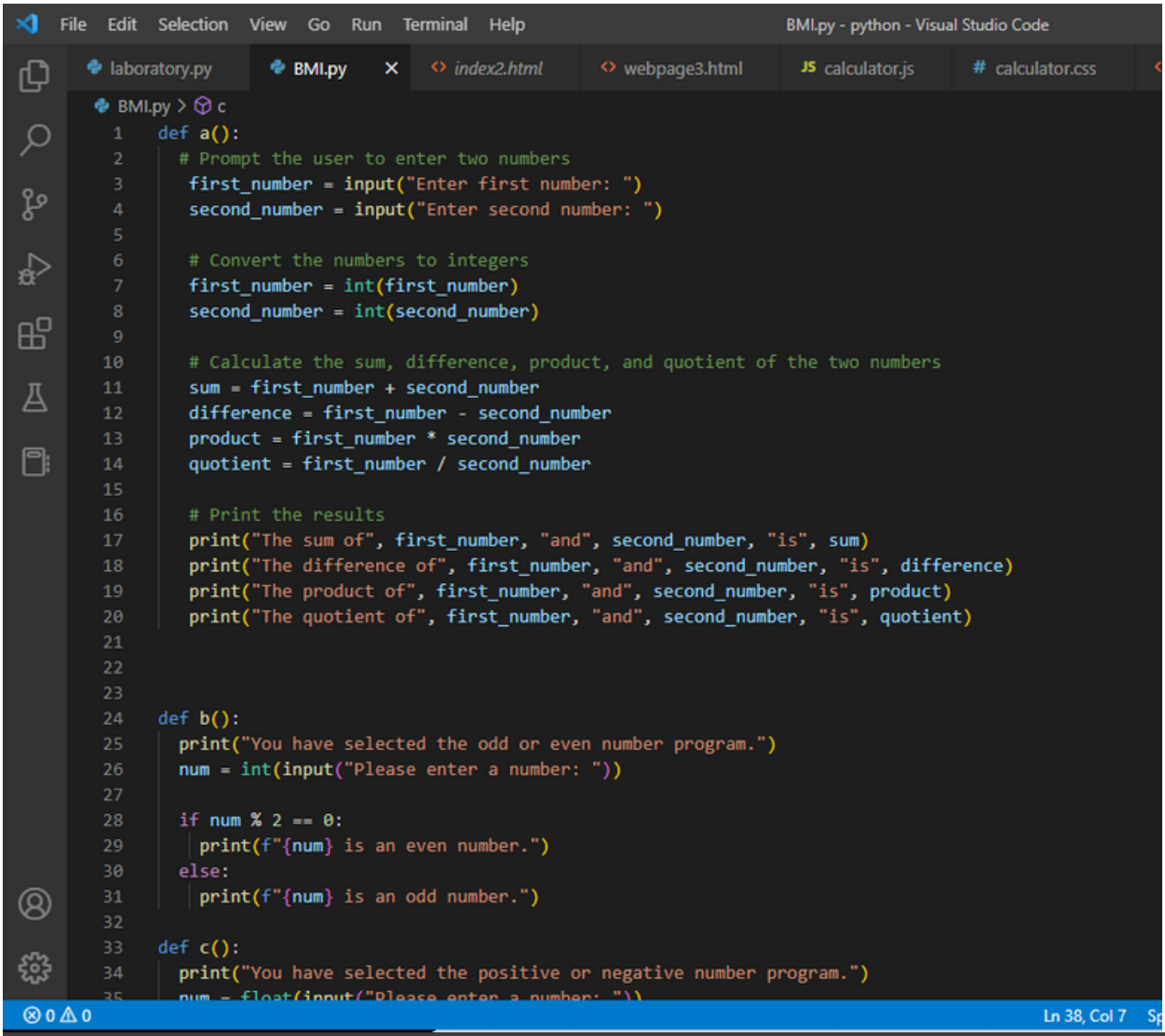

2a
1a
elif choice == b:
True
2b
print: "Enter first number: ",first_number
False
print "Enter second number: ",second_number
else:
3a
read: sum = first_number + second_number
1b

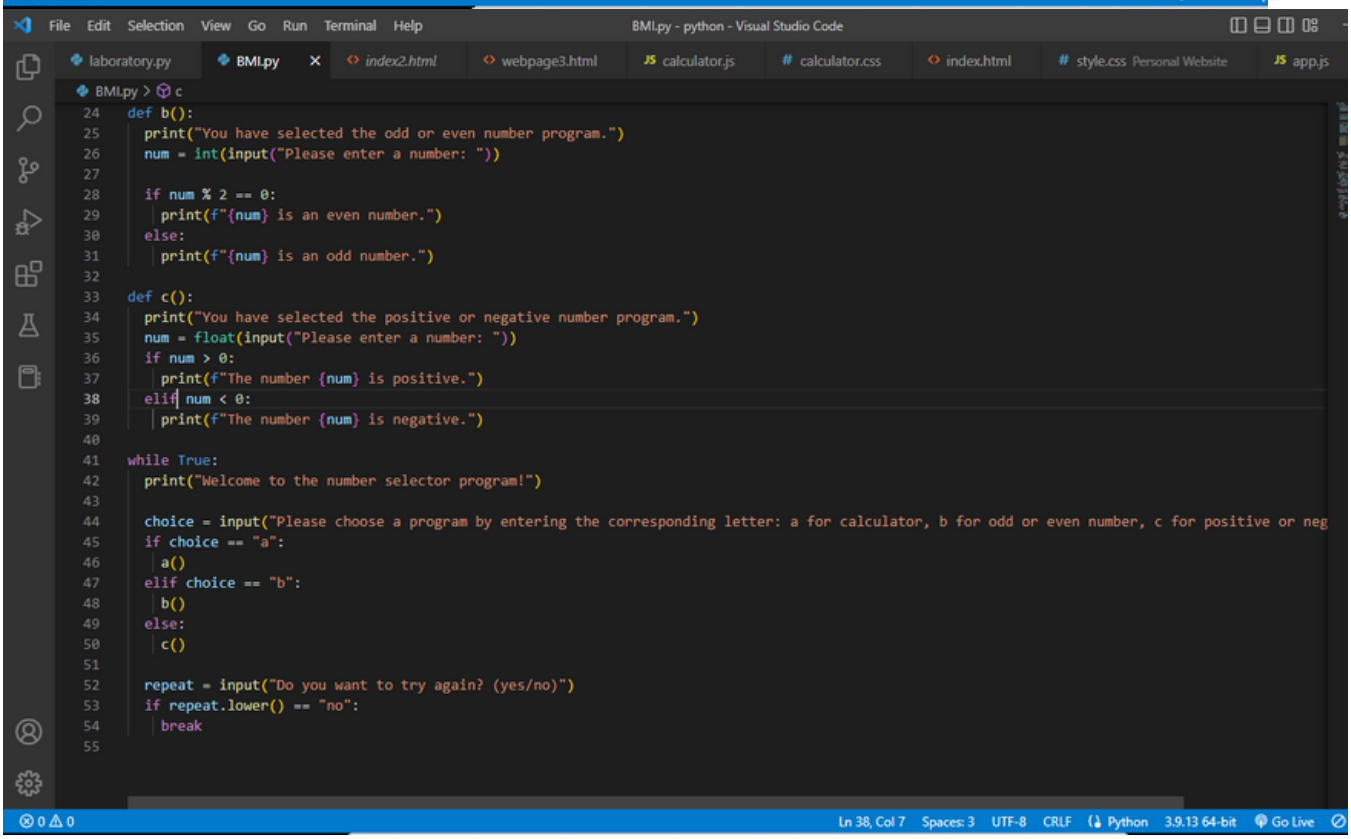

A
print: "The sum of", first_number, "and", second_number, "is", sum
Step 11: print: "The difference
print: "The difference of", first_number, "and", second_number, "is", difference"
print: ""The product of", first_number, "and", second_number, "is", product"
print: "The quotient of", first_number, "and", second_number, "is", quotient"
1b
read: difference = first_number - second_number
read: product = first_number * second_number
read: quotient = first_number / second_number
A


2b
print: int(input("Enter a number: ", num1))
if num1 % 2 == 0:
True
print: num2, "is a positive number"
False
print: (num, "is an odd number")

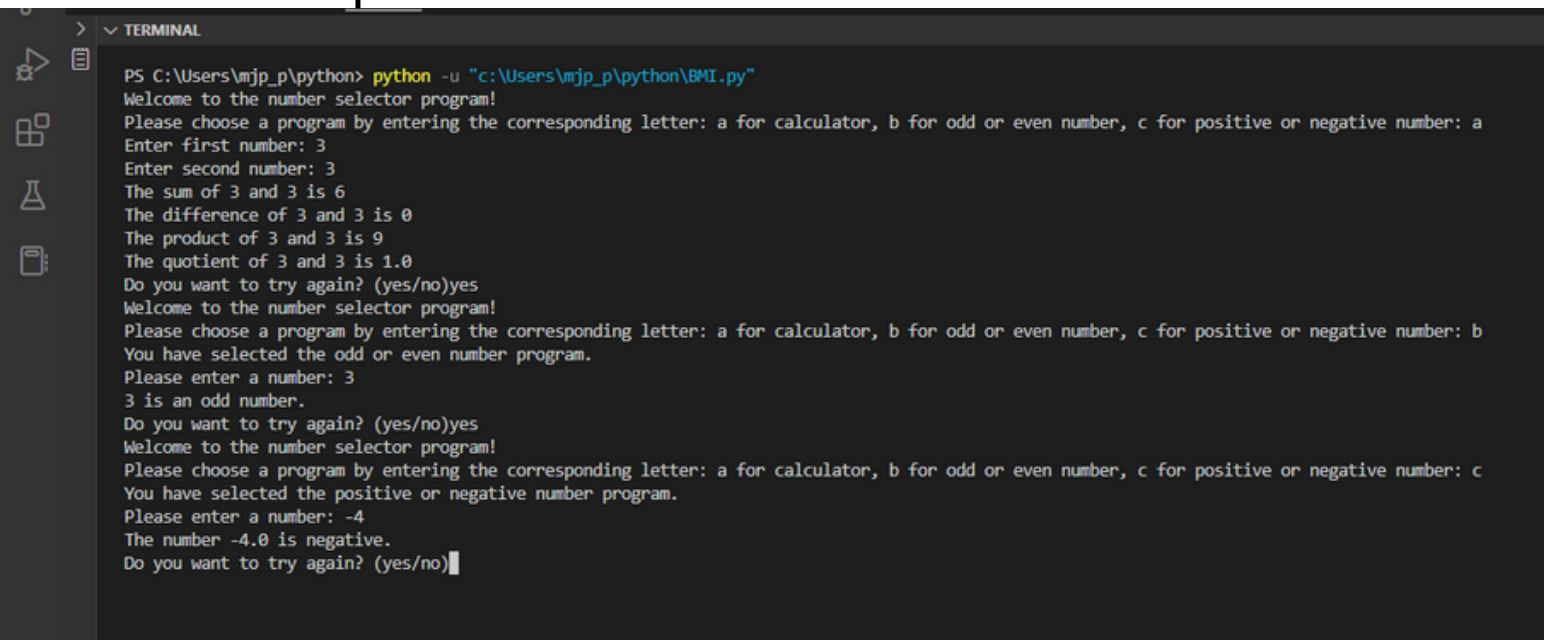

3a
print: float(input("Enter a number: ")), num2
if num2 > 0:
print: float(input("Enter a number: ")), num2
print: num2, "is a negative number"
END

# Input


File Edit Selection View Go Run Terminal Help
BMI.py - python - Visual Studio Code
laboratory.py
BMI.py
index2.html
webpage3.html
calculator.js
calculator.css
BMI.py > c
def a():
# Prompt the user to enter two numbers
first_number = input("Enter first number: ")
second_number = input("Enter second number: ")
# Convert the numbers to integers
first_number = int(first_number)
second_number = int(second_number)
# Calculate the sum, difference, product, and quotient of the two numbers
sum = first_number + second_number
difference = first_number - second_number
product = first_number * second_number
quotient = first_number / second_number
# Print the results
print("The sum of", first_number, "and", second_number, "is", sum)
print("The difference of", first_number, "and", second_number, "is", difference)
print("The product of", first_number, "and", second_number, "is", product)
print("The quotient of", first_number, "and", second_number, "is", quotient)
def b():
print("You have selected the odd or even number program.")
num = int(input("Please enter a number: "))
if num % 2 == 0:
print(f"{num} is an even number.")
else:
print(f"{num} is an odd number.")
def c():
print("You have selected the positive or negative number program.")
Ln 38, Col 7


File Edit Selection View Go Run Terminal Help
BMI.py - python - Visual Studio Code
laboratory.py
BMI.py
index2.html
webpage3.html
calculator.js
calculator.css
index.html
style.css Personal Website
app.js
BMI.py > c
def b():
print("You have selected the odd or even number program.")
num = int(input("Please enter a number: "))
if num % 2 == 0:
print(f"{num} is an even number.")
else:
print(f"{num} is an odd number.")
def c():
print("You have selected the positive or negative number program.")
num = float(input("Please enter a number: "))
if num > 0:
print(f"The number {num} is positive.")
elif num < 0:
print(f"The number {num} is negative.")
while True:
print("Welcome to the number selector program!")
choice = input("Please choose a program by entering the corresponding letter: a for calculator, b for odd or even number, c for positive or neg
if choice == "a":
a()
elif choice == "b":
b()
else:
c()
repeat = input("Do you want to try again? (yes/no)")
if repeat.lower() == "no":
break
Ln 38, Col 7 Spaces: 3 UTF-8 CRLF Python 3.9.13 64-bit Go Live

# Output


TERMINAL
PS C:\Users\mjp_p\python> python -u "c:\Users\mjp_p\python\BMI.py"
Welcome to the number selector program!
Please choose a program by entering the corresponding letter: a for calculator, b for odd or even number, c for positive or negative number: a
Enter first number: 3
Enter second number: 3
The sum of 3 and 3 is 6
The difference of 3 and 3 is 0
The product of 3 and 3 is 9
The quotient of 3 and 3 is 1.0
Do you want to try again? (yes/no)yes
Welcome to the number selector program!
Please choose a program by entering the corresponding letter: a for calculator, b for odd or even number, c for positive or negative number: b
You have selected the odd or even number program.
Please enter a number: 3
3 is an odd number.
Do you want to try again? (yes/no)yes
Welcome to the number selector program!
Please choose a program by entering the corresponding letter: a for calculator, b for odd or even number, c for positive or negative number: c
You have selected the positive or negative number program.
Please enter a number: -4
The number -4.0 is negative.
Do you want to try again? (yes/no)