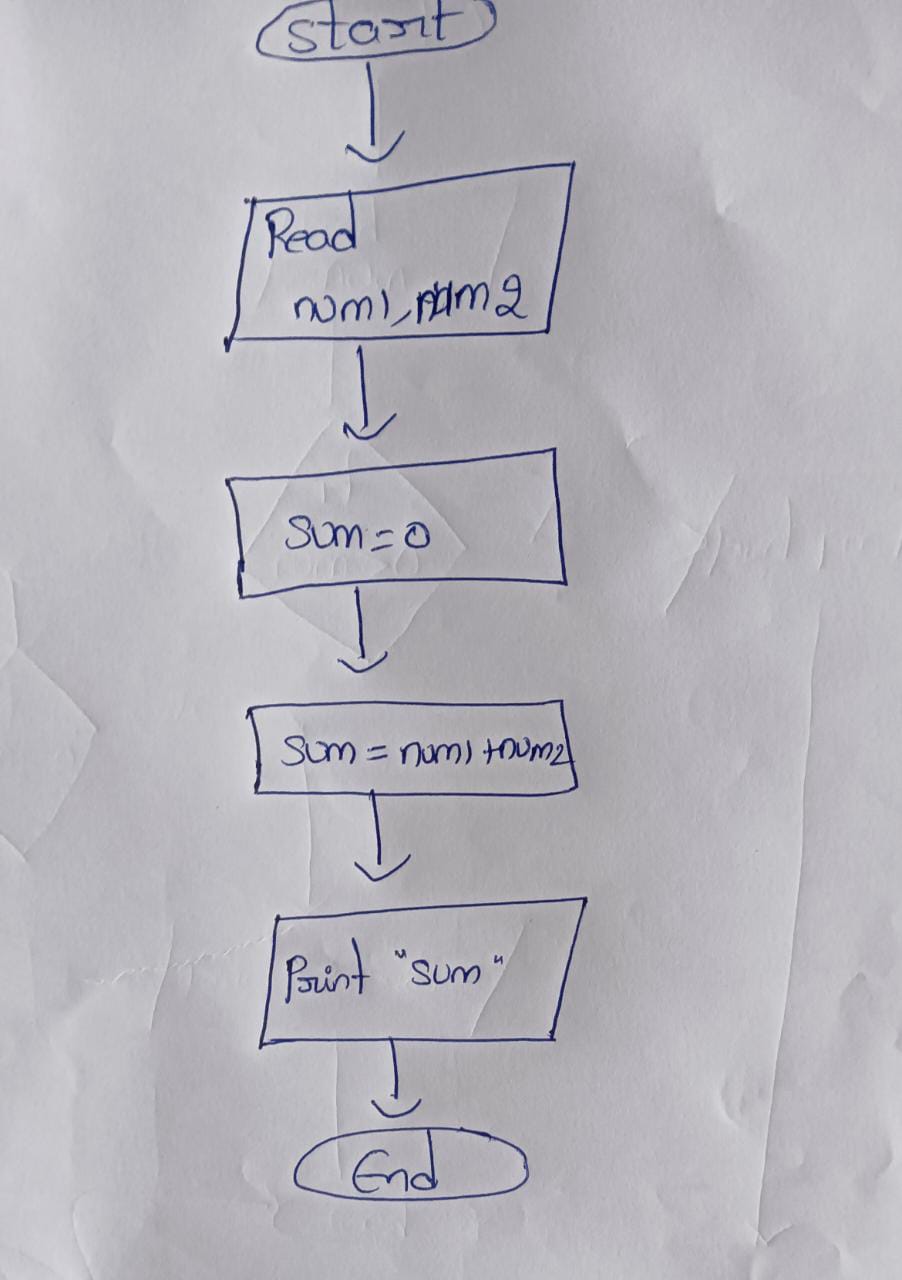
**1) Addition of two numbers**

**Algorithm:**

* **Start**
* **Read two integer numbers let say num1, num2**
* **Declare an integer variable sum to store sum of two numbers**
* **Now, sum = num1 + num2**
* **Print “sum”**
* **End**

**Flow Chart:**



**2) Average of three numbers**

**Algorithm:**

**--------------**

* **Start**
* **Read three integer numbers let say a, b, c.**
* **Declare an integer variable to store sum of three numbers**
* **Declare an double variable to store average of three numbers**
* **Now, average = (a+b+c) / 3**
* **Print “average”**
* **End**

**Flow Chart:**

**Print “average”**

**average=(a+b+c)/3**

**sum = a+b+c**

**Read a,b,c**

**3. Print n natural numbers.**

**Algorithm:**

* **Start**
* **Read an integer value n**
* **Initialize 1 to an integer variable num**
* **Declare a loop that repeats from 1 to n**
* **Print num inside the loop**
* **Increment the num by 1**
* **Repeat step 5 and 6 until the loop ends.**
* **End**

**Flow Chart :**

**---------------**

**No**

**num =1**

**while**

**(num<n)**

**Print “num”**

**num = num + 1**

**Read ‘n’**

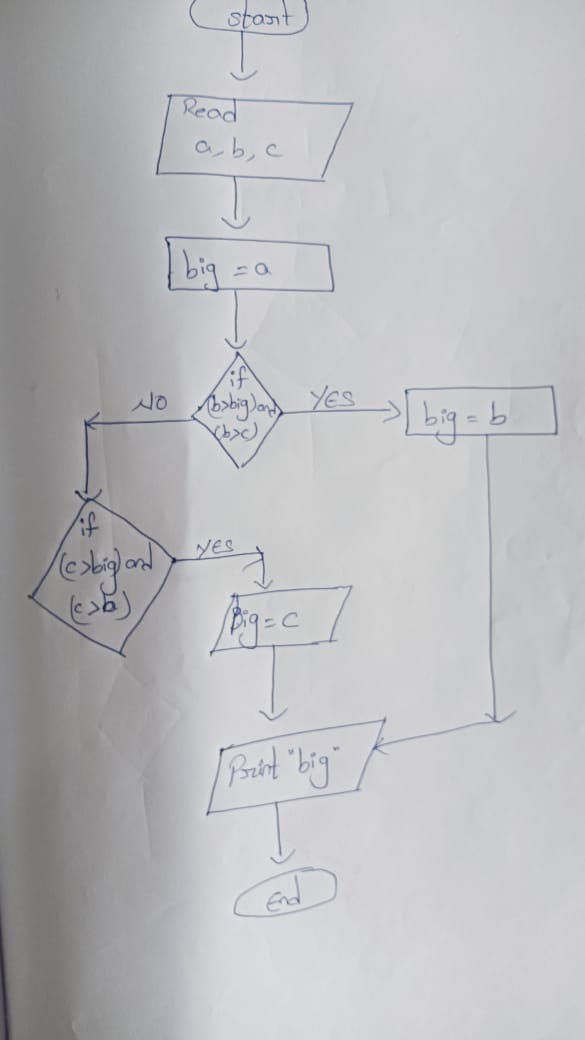
**Yes**

**4. Biggest number among three numbers.**

**Algorithm:**

* **Start**
* **Read three integer values a, b, c**
* **Initialize a value to integer variable big**
* **Check if b is greater than big and c, if true then big = b**
* **Otherwise check if c is greater than big and b, if true then big = c**
* **Print “big”**
* **End**

**Flowchart:**

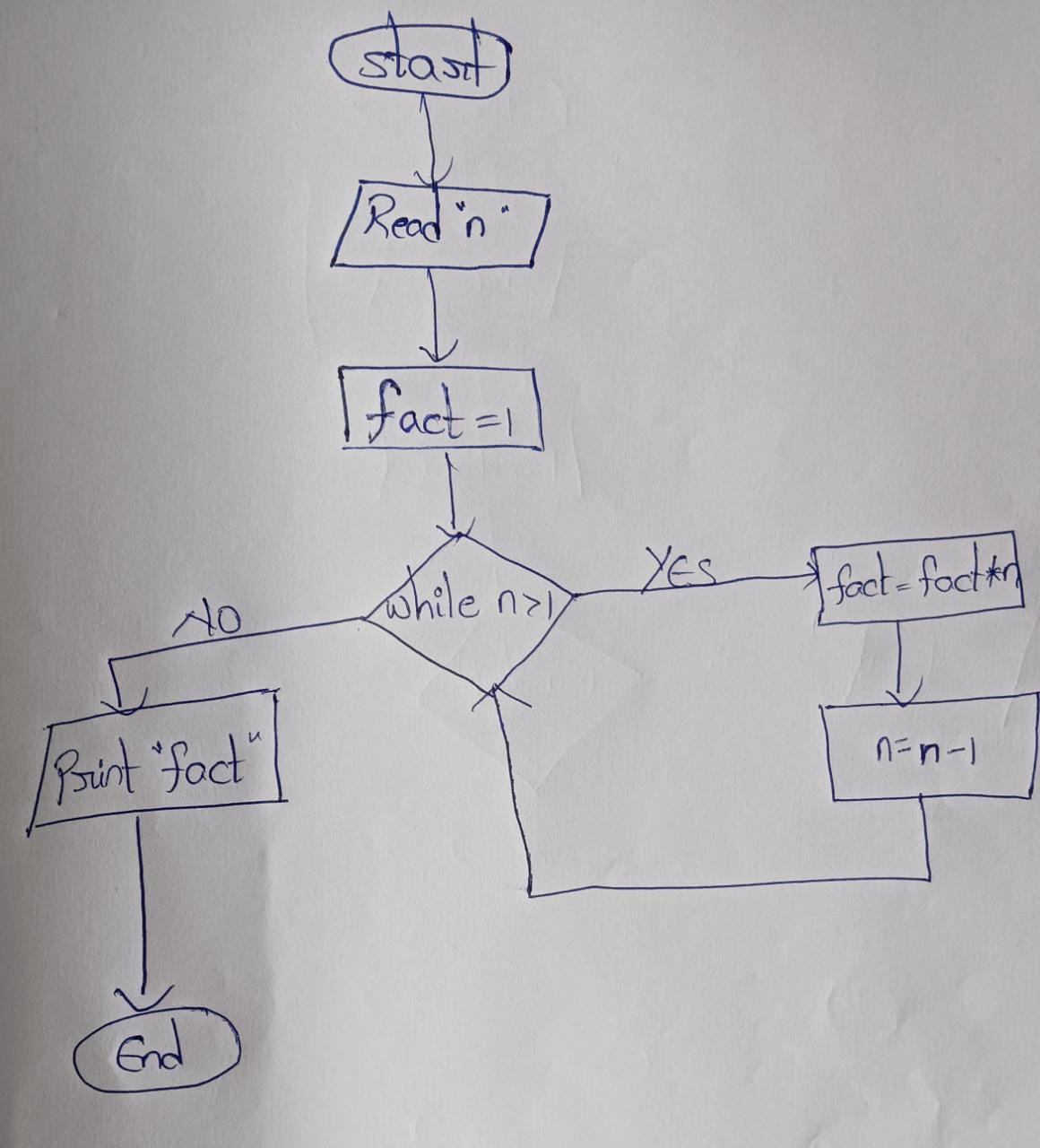


**5. Factorial of a number.**

**Algorithm:**

* **Start**
* **Read an integer value n**
* **Initialize a long variable fact with 1**
* **Repeat the loop until n greater than 1**
* **fact = fact \* n**
* **Decrement the value of n by 1 after calculating fact**
* **Repeat step 5 and 6 until n=1**
* **Print “fact”**
* **End**

**Flow Chart:**

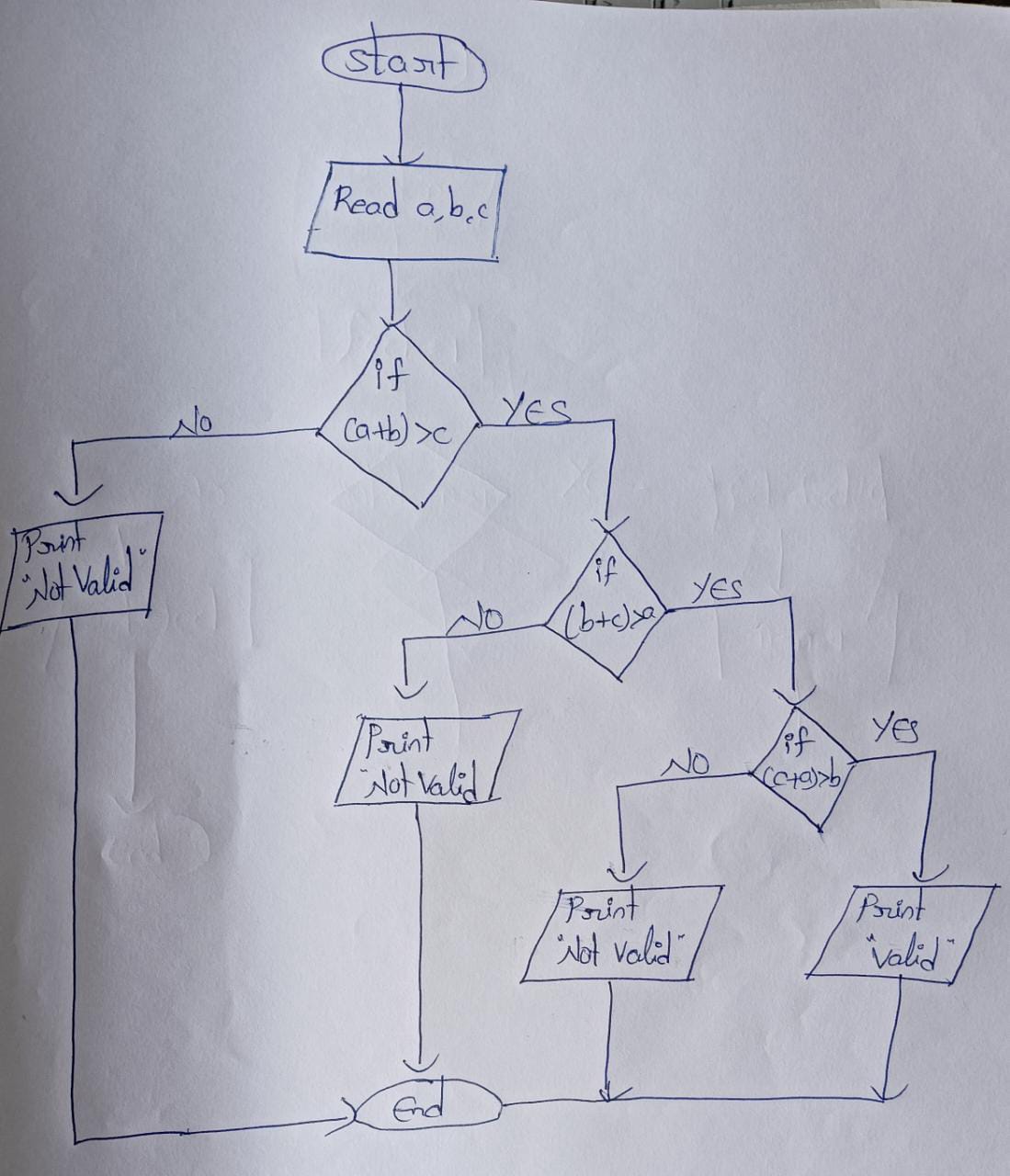
****

**6. Valid triangle or not by taking three sides.**

**Algorithm:**

* **Start**
* **Read three integer values a,b,c**
* **Check if sum of a and b is greater than c , then move to next step, otherwise print “not valid”**
* **Check if sum of a and c is greater than b, then move to next step, otherwise print “not valid”**
* **Check if sum of b and c is greater than a , then print “valid”**
* **End**

**Flow Chart:**

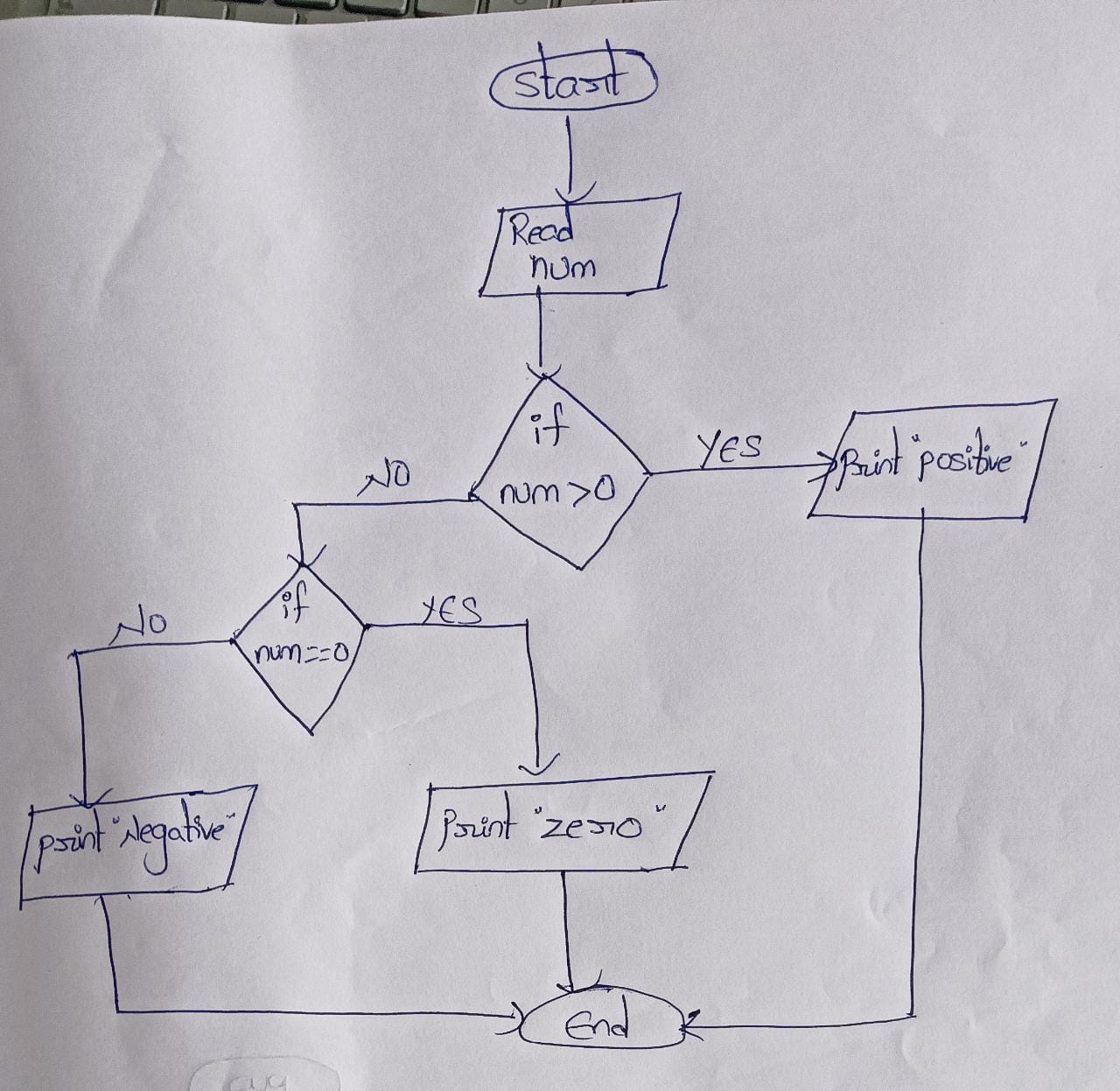
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**7. Check whether a given number is positive or negative or zero.**

**Algorithm:**

* **Start**
* **Read an integer value num**
* **Check if num is greater than 0, if yes print “positive”**
* **Otherwise, check if num is equal to 0, if yes print “zero”**
* **Otherwise, print “negative”**
* **End**

**Flow Chart:**

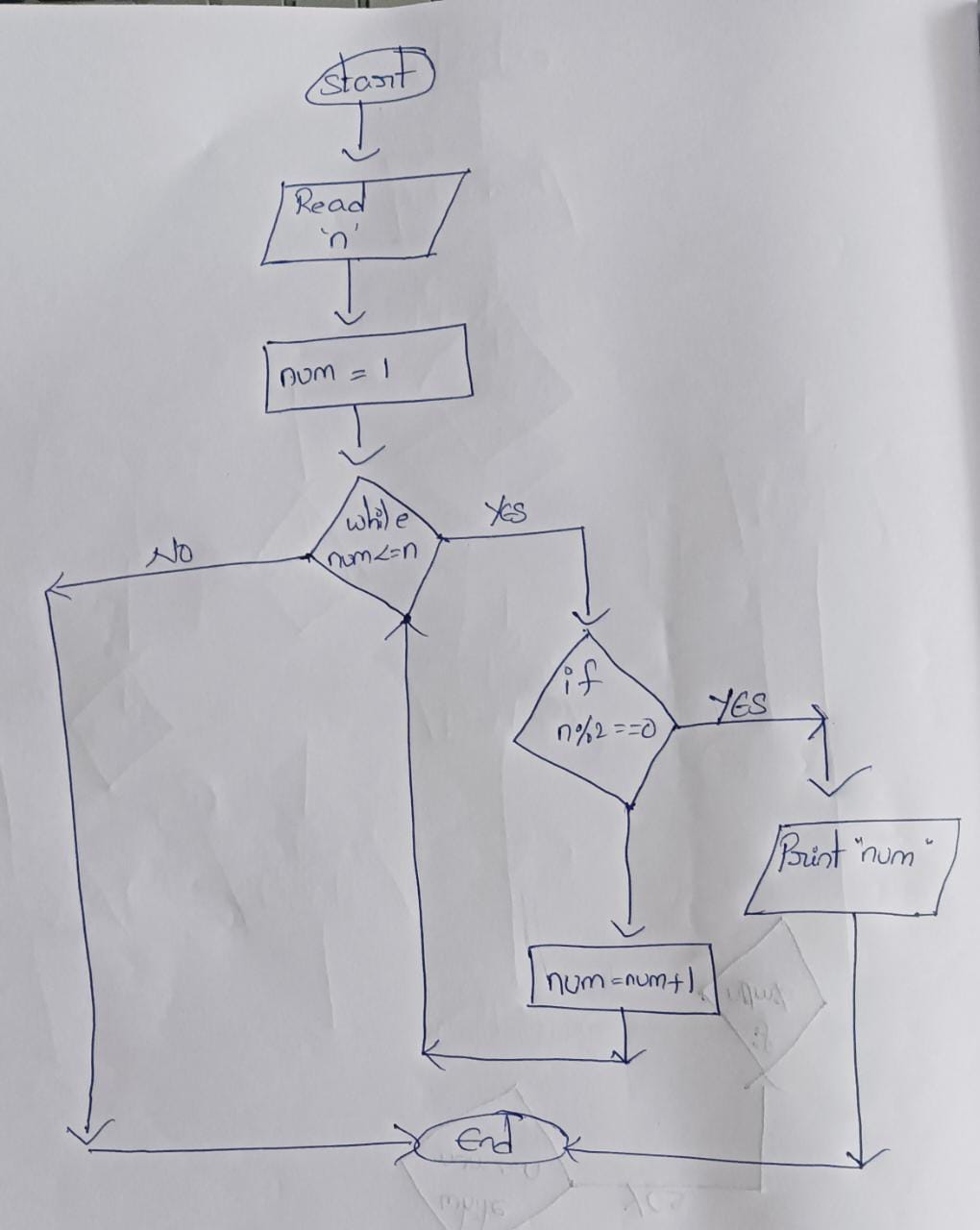
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**8. Print Even numbers 1 to n**

**Algorithm:**

* **Start**
* **Read an integer value n**
* **Initialize 1 to integer variable num**
* **Declare a loop 1 to n**
* **Check if n is divisible by 2, then print num**
* **increment num by 1**
* **Repeat step 5 and 6 until num less than or equal to n**
* **End**

**Flow Chart:**

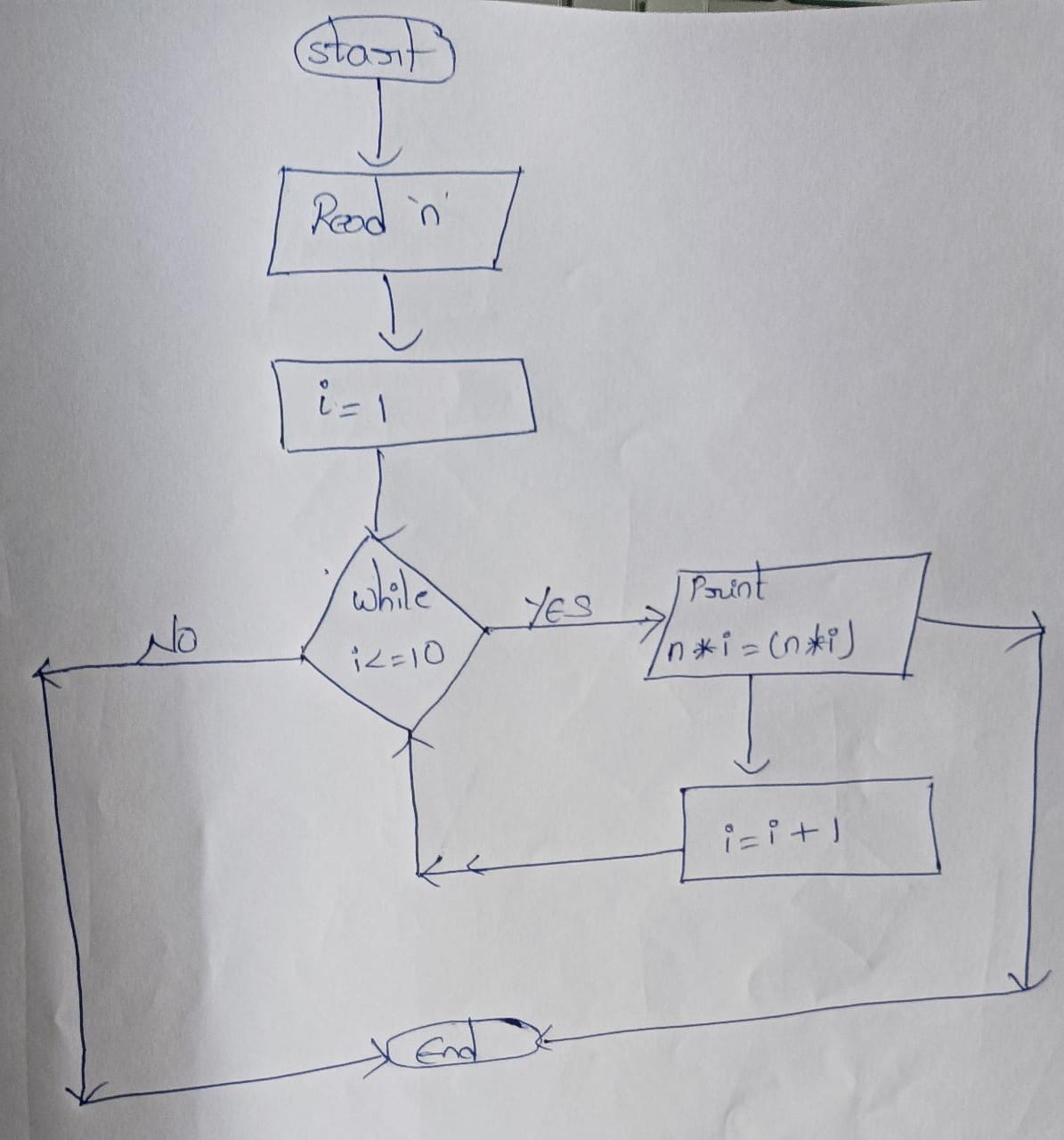
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**9. Print multiplication of a table of n.**

**Algorithm:**

* **Start**
* **Read a positive value n**
* **initialize 1 to integer variable i**
* **Declare a loop 1 to 10**
* **print n \* i = (n\*i);**
* **Increment i by 1**
* **Repeat step 5 and 6 until i equal to 10**
* **End**

**Flow Chart:**

****