Print the multiplication table of a given number n.

Algorithm

Step 1: Start

Step 2: Enter the number from user and store in variable n.

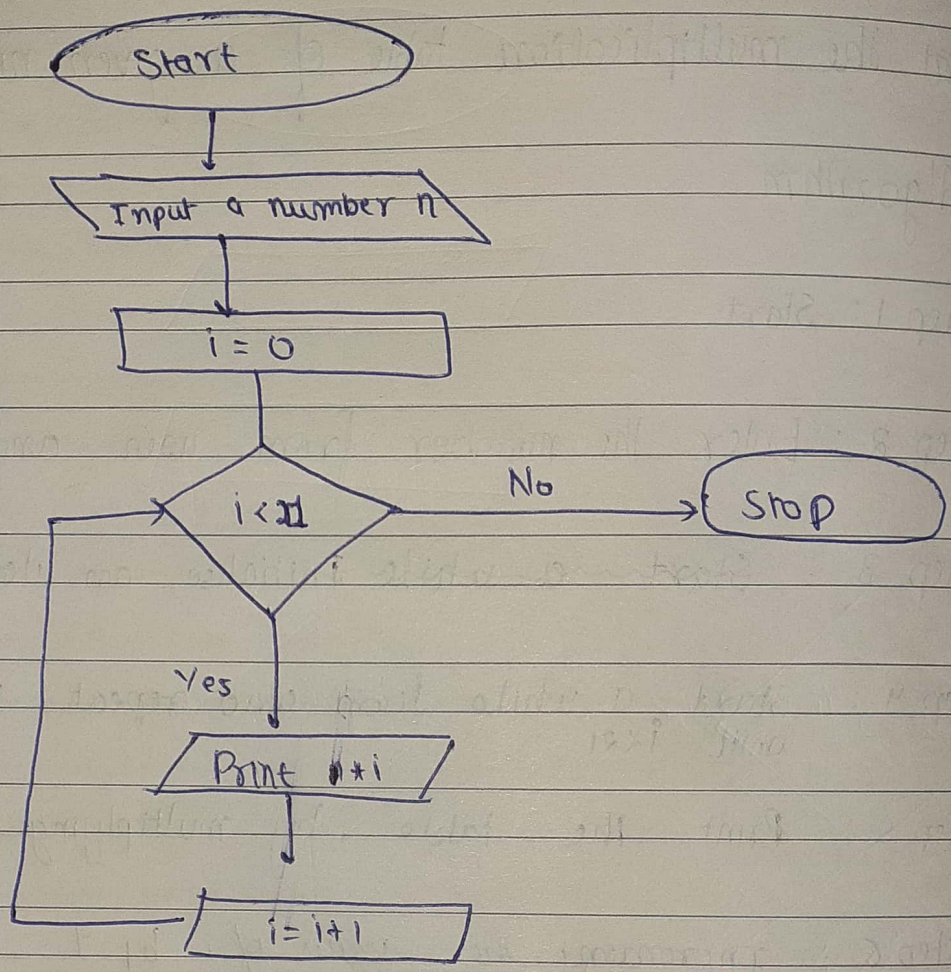
Step 3: ~~Start a while~~ Initialise an iterator with 1.

Step 4: Start a while loop and repeat step 5 to step 6 until i<21

step 5: Print the table by multiplying i with n.

step 6: Increment the value of i by 1.

step 7: End



Given a number find out if the number is a prim

Algorithm

Step 1: Start

Step 2: Enter a number from user and store it in a variable n.

Step 3: Initialise an iterator i with value 1 and also declare a counter and initialize it with 0.

Step 4: Start a while loop and repeat from steps 5 to step 6 until i is less than equal to n.

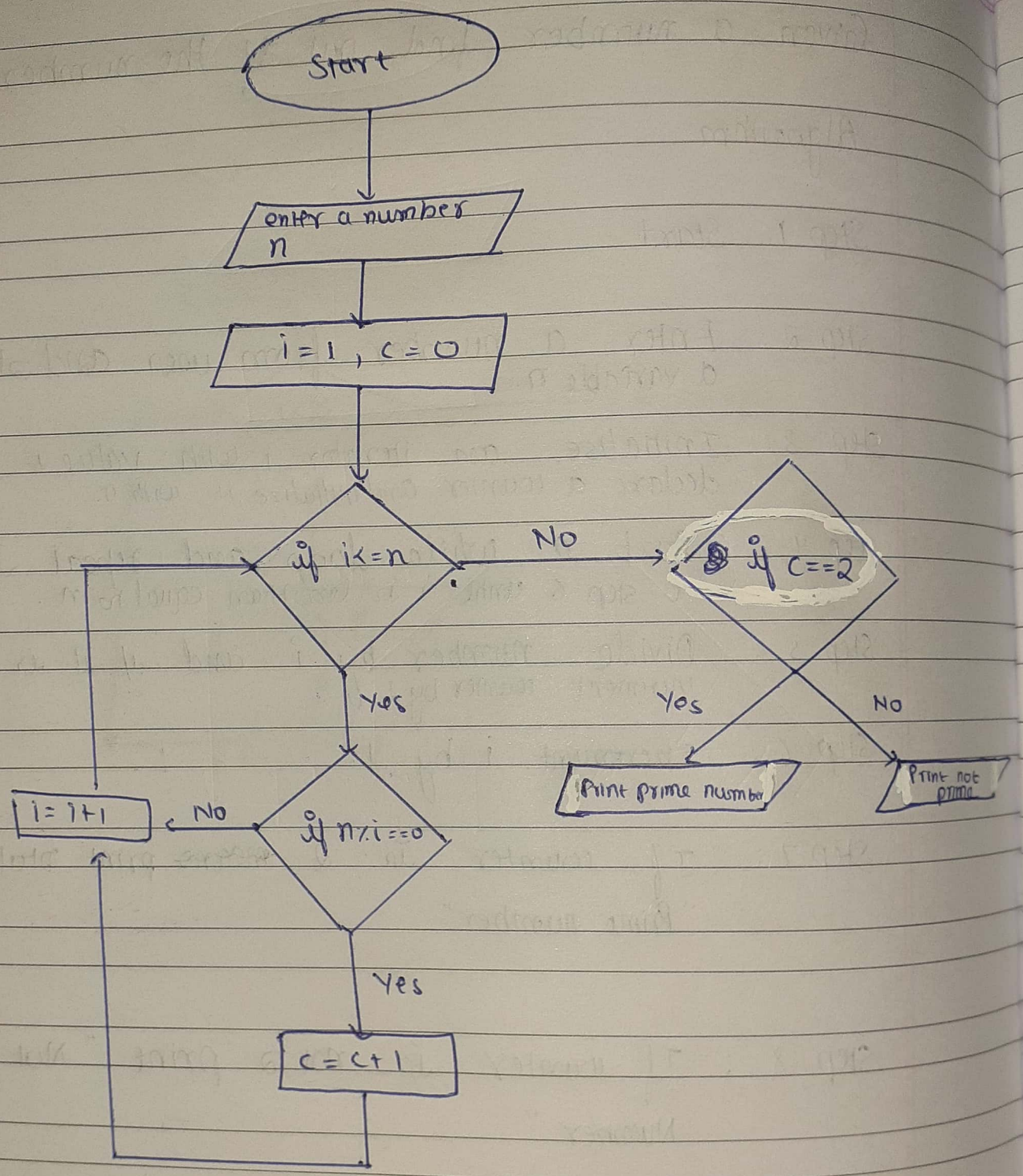
Step 5: Divide number by i and if it is divisible increment counter by 1.

Step 6: Increment i by 1.

Step 7: If counter is 2 ~~then~~ print statment "Prime number".

Step 8: If counter is not 2 print "Not a prime Number"

Step 9: End.



Given a number find out if the number is prime number.

Step 1: Start

Step 2: Enter a number from user and store it in variable n.

Step 3: Declare a variable sum and initialize it with 0 to add up cube of each digit and create a copy of n in m.

Step 4: Start a while loop and repeat step 5 to step 7. until m>0.

Step 5: take out digit from m ~~by modulus~~ & store in d

Step 6: cube the number d and store in sum

Step 7: update value of m by m/10.

Step 8: If sum is equal to number return the statment that it is an Armstrong number. If not display so.

Step 9: ~~If not~~ End