

print error

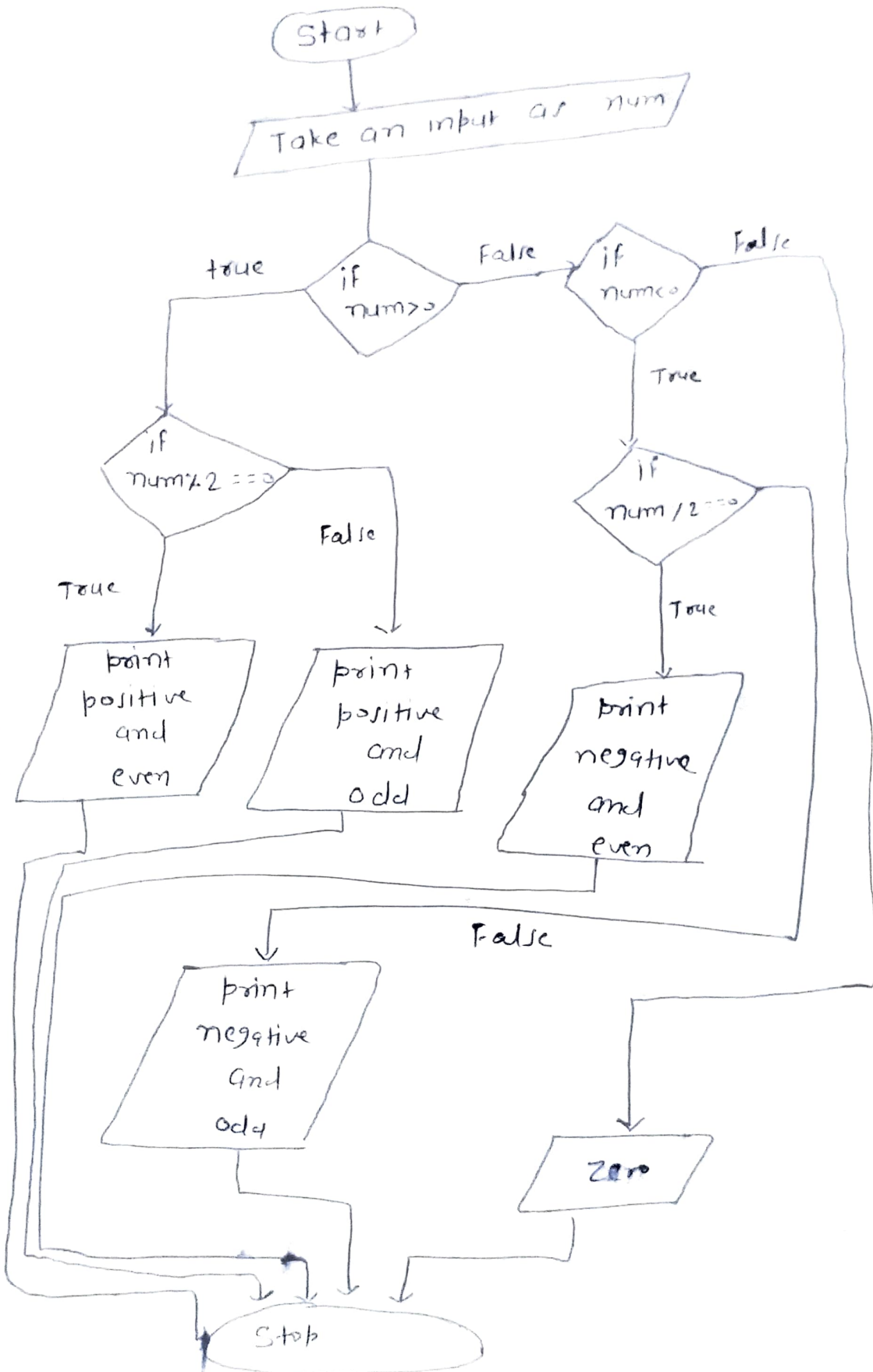
Problem

Take an input from user & classify the number as

- (i) positive and odd
- (ii) positive and even
- (iii) ~~po~~ negative and odd
- (iv) negative and even
- (v) zero

Algorithm - 1

- Take an input from user as Num
- ^{check} if (~~Num~~ > 0)
 - check if num is greater than zero
 - check if num is divisible by 2
 - print "positive and even"
 - else
 - print "positive and odd"
- else if num is less than zero
 - check if num is divisible by 2
 - print "negative and even"
 - else
 - print "negative and odd"
- else
 - print ("zero")



pseudocode

→ take an input as Num

→ if (Num > 0)

```
{
    if (Num / 2 == 0)
    {
        print ("positive and even")
    }

    else
    {
        print ("positive and odd")
    }
}
```

else if (Num < 0)

```
{
    if (Num / 2 == 0)
    {
        print ("negative and even")
    }

    else
    {
        print ("negative and odd")
    }
}
```

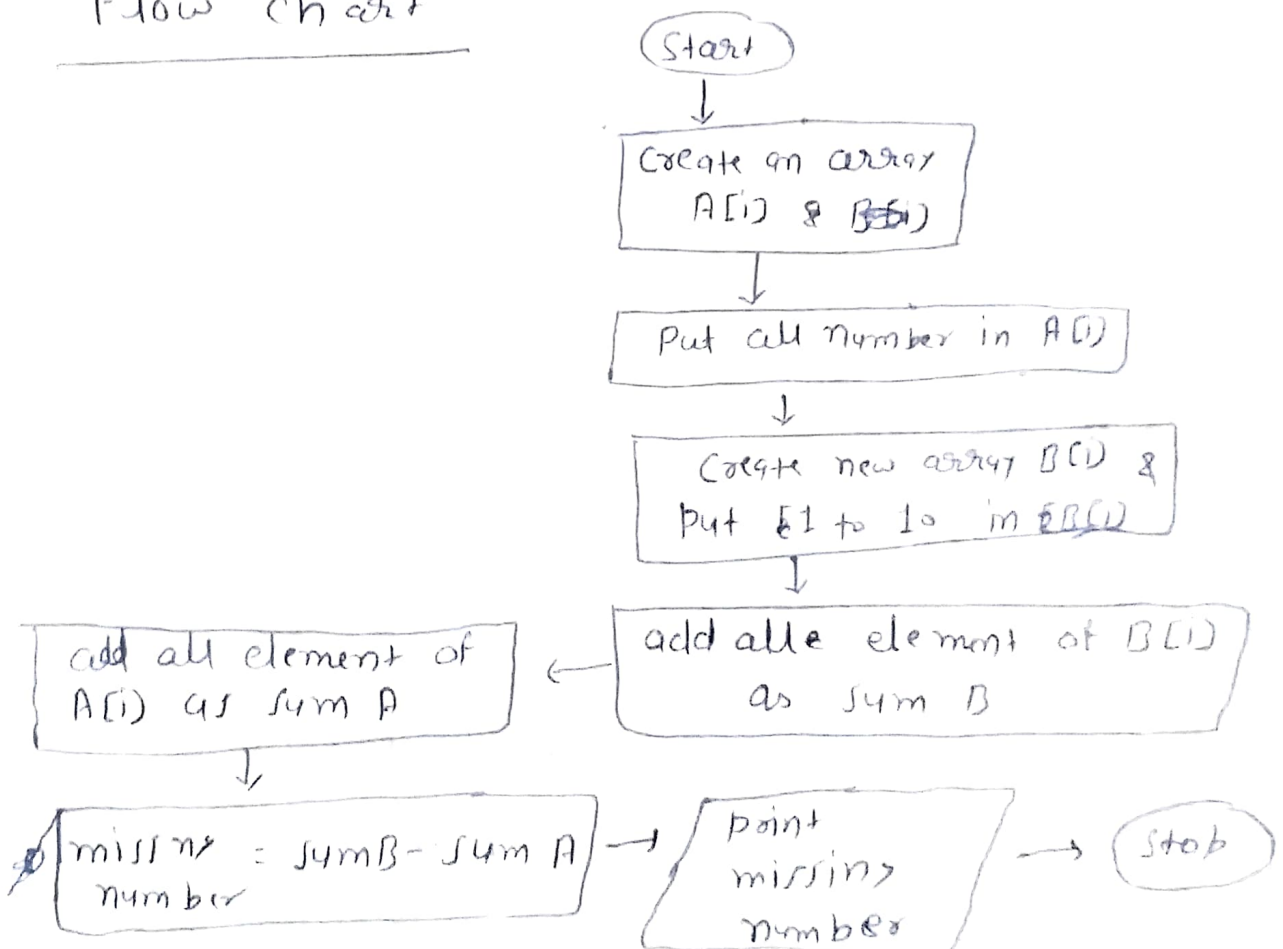
else
(print "Zero")

5 9 1 2 6 7 8 9 4

Draw the logical step

- Create an array $A[i]$
- all number put in array as $A[i]$
- Create a new array $B[i]$ and put 1 to 10
- add all element of $B[i]$ as sum B
- add all element of $A[i]$ as sum A
- Subtract $\text{sum B} - \text{sum A} = \text{missing number}$
- print missing number

Flow chart



pseudo code

- ~~creat~~ creat array $A[10]$
- put all element : $A[1] = 5$ $A[2] = 9$
 $A[3] = 1$ $A[4] = 2$ $A[5] = 8$ $A[6] = 7$
 $A[7] = 8$ $A[8] = 9$ $A[9] = 9$
- create array $B[10]$
put element 1 to 10 in $B[10]$ using
for ($i = 1$ $i \leq 10$ $i++$)
 $B[i] = i$
- add all element of $B[i]$ as sum B
 $sum B = 0$
for ($i = 1$ $i \leq 10$ $i++$)
 $sum B = sum B + B[i]$
- add all element of $A[i]$ as sum A
 $sum A = 0$
for ($i = 1$; $i \leq 10$ $i++$)
 $sum A = sum A + A[i]$

→ missing number = $\text{sum } B - \text{sum } A$

→ print missing number