**Exp4:-**

**Title of the program:-**

Write a program to check a 4 digit number to be divisible by 9 or not without using modulus operator. Write the flowchart of the program.

**Flowchart:-**

int n,sum=0,reminder

Take the value of n

reminder=n-(n/10)\*10)

n=n/10

if  
n!=0

print The number is divisible by 9

print The number is not divisible by 9

Yes

No

No

Yes

sum=sum+reminder

if  
sum-((sum/9)\*9)==0

**Program instruction:-**

#include<stdio.h>

int main()

{

int n,sum=0,reminder;

printf(“Write a 4 digit number : ”);

scanf(“%d”,& n);

while(n!=0)

{

reminder=n-((n/10)\*10);

sum+=reminder;

n/=10;

}

if(sum-((sum/9)\*9)==0)

{

printf(“The number is divisible by 9”);

}

else

{

printf(“The number is not divisible by 9”);

}

return 0;

}

**Output:-**

Write a 4 digit number : 3528

The number is divisible by 9