Start

i = จำนวนอาเรย์
a, S

Input you Number

i

Sum[i]
k = 0

k < 0 — F

T

k = 0 — T — Sum[k]:9

F

Sum[k] = a×10+9

+

a = sum[K]

S = s + a

a

Sum = S

Stop

```c
#include <stdio.h>
int i, a, s;
int main()
{
    printf("Input you number : ");
    scanf("%d",&i);
    int sum[i];
    for(int k = 0; k < i; k++){ //startloop-for

        if(k == 0){//start if k = 0
            sum[k] = 9;

        }else{//else k != 0
            sum[k] = (a * 10) + 9;
            printf(" + ");

        }//end if-else
        a = sum[k];
        s += a;
        printf("%d",a);


    } //engloop-for
    printf("\nsum = %d",s);
    return 0;
}
```

```
Input you number : 7
9 + 99 + 999 + 9999 + 99999 + 999999 + 9999999
sum = 11111103
```