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Language C









main.c

```
1 |
2 | #include <stdio.h>
3 | int main(){
4 |
5 |     long int num;
6 |     int sum = 0, rem;
7 |     printf("Enter a number: ");
8 |     scanf("%ld", &num);
9 |     while(num / 10 != 0)
10 |    {
11 |        sum = 0;
12 |        while(num != 0)
13 |        {
14 |            rem = num % 10;
15 |            sum += rem;
16 |            num = num / 10;
17 |        }
18 |        num = sum;
19 |    }
20 |    printf("single digit sum is:%d", sum);
21 |    return 0;
22 | }
23 |
```

input

```
Enter a number: 15678
single digit sum is:9




...Program finished with exit code 0
Press ENTER to exit console.
```



Language C

main.c

```
1
2 #include <stdio.h>
3 int main(){
4
5     long int num;
6     int sum = 0, rem;
7     printf("Enter a number: ");
8     scanf("%ld", &num);
9     while(num / 10 != 0)
10    {
11        sum = 0;
12        while(num != 0)
13        {
14            rem = num % 10;
15            sum += rem;
16            num = num / 10;
17        }
18        num = sum;
19    }
20    printf("single digit sum is:%d", sum);
21    return 0;
22 }
23
```



input

```
Enter a number: 75389
single digit sum is:5

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Press ENTER to exit console.
```

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Language C

main.c

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int number, sum = 0, remainder, count;
6
7      printf("Enter a number: ");
8      scanf("%d", &number);
9      while (number)
10     {
11         remainder = number % 10;
12         sum = sum + (remainder + 1);
13         number /= 10;
14     }
15     printf("increasing 1 to all digits: %d", sum);
16     return 0;
17 }
18
```

input

```
Enter a number: 3456
increasing 1 to all digits:  22

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```

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Language C

main.c

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int number=0, sum = 0, remainder, count;
6
7      printf("Enter a number: ");
8      scanf("%d", &number);
9      while (number)
10     {
11         remainder = number % 10;
12         sum = sum + (remainder + 1);
13         number /= 10;
14     }
15     printf("increasing 1 to all digits: %d", sum);
16     return 0;
17 }
18
19
```

input

```
Enter a number: 111
increasing 1 to all digits:  6

...Program finished with exit code 0
Press ENTER to exit console.
```

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Language C

main.c

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int n,i,sum;
6      int a[10];
7      printf("Number of digits?: \n");
8      scanf("%d",&n);
9      printf("Enter the digits: \n");
10     for(i=0;i<n;i++){
11         scanf("%d",&a[i]);
12     }
13     for(i=0;i<n;i++){
14         if(a[i]==0){
15             continue;
16         }
17         printf("%d\t",a[i]);
18     }
19
20     return 0;
21 }
22
23
```

input

```
Number of digits?:
4
Enter the digits:
8
2
4
5
8      2      4      5

...Program finished with exit code 0
Press ENTER to exit console.
```

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Language C

main.c

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int n,i,sum;
6     int a[10];
7     printf("Number of digits?: \n");
8     scanf("%d",&n);
9     printf("Enter the digits: \n");
10    for(i=0;i<n;i++){
11        scanf("%d",&a[i]);
12    }
13    for(i=0;i<n;i++){
14        if(a[i]==0){
15            continue;
16        }
17        printf("%d\t",a[i]);
18    }
19
20    return 0;
21 }
22
23
```

input

```
Number of digits?:
4
Enter the digits:
2
0
3
5
2      3      5

...Program finished with exit code 0
Press ENTER to exit console.
```

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Language C

main.c

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int n,i,sum;
6      int a[10];
7      printf("Number of digits?: \n");
8      scanf("%d",&n);
9      printf("Enter the digits: \n");
10     for(i=0;i<n;i++){
11         scanf("%d",&a[i]);
12     }
13     for(i=0;i<n;i++){
14         if(a[i]==0){
15             continue;
16         }
17         printf("%d\t",a[i]);
18     }
19
20     return 0;
21 }
22
23
```

input

```
Number of digits?:
4
Enter the digits:
1
0
0
0
1

...Program finished with exit code 0
Press ENTER to exit console.
```


main.c

```
1
2 #include<stdio.h>
3 void main(){
4     long r,num,temp,sum=0,i,temp_sum=0;
5     printf("Enter 4 digit pin : ");
6     scanf("%ld",&num);
7     printf("\nThe number after adding 1 to each digit : ");
8     while(num!=0){
9         r=num%10;
10        temp=r+1;
11        if(temp==10)
12            temp=0;
13        num=num/10;
14        sum=(sum*10)+temp;
15    }
16    while(sum!=0){
17        i=sum%10;
18        sum=sum/10;
19        temp_sum=(temp_sum*10)+i;
20    }
21    printf("%ld",temp_sum);
22 }
```

input

Enter 4 digit pin : 8245

The number after adding 1 to each digit : 9356

...Program finished with exit code 0

Press ENTER to exit console.

```
main.c
1
2 #include<stdio.h>
3 void main(){
4     long r,num,temp,sum=0,i,temp_sum=0;
5     printf("Enter 4 digit pin : ");
6     scanf("%ld",&num);
7     printf("\nThe number after adding 1 to each digit : ");
8     while(num!=0){
9         r=num%10;
10        temp=r+1;
11        if(temp==10)
12            temp=0;
13        num=num/10;
14        sum=(sum*10)+temp;
15    }
16    while(sum!=0){
17        i=sum%10;
18        sum=sum/10;
19        temp_sum=(temp_sum*10)+i;
20    }
21    printf("%ld",temp_sum);
22 }
```

input

Enter 4 digit pin : 4184

The number after adding 1 to each digit : 5295

...Program finished with exit code 0
Press ENTER to exit console.

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Language C

main.c

```
1
2 #include<stdio.h>
3 void main(){
4     long r,num,temp,sum=0,i,temp_sum=0;
5     printf("Enter 4 digit pin : ");
6     scanf("%ld",&num);
7     printf("\nThe number after adding 1 to each digit : ");
8     while(num!=0){
9         r=num%10;
10        temp=r+1;
11        if(temp==10)
12            temp=0;
13        num=num/10;
14        sum=(sum*10)+temp;
15    }
16    while(sum!=0){
17        i=sum%10;
18        sum=sum/10;
19        temp_sum=(temp_sum*10)+i;
20    }
21    printf("%ld",temp_sum);
22 }
```

input

Enter 4 digit pin : 2995

The number after adding 1 to each digit : 3006

...Program finished with exit code 0
Press ENTER to exit console.