```c
main.c

 1  #include<stdio.h>
 2  int main(){
 3      int n,rev=0,count=0,x=1;
 4      printf("Enter a number: ");
 5      scanf("%d",&n);
 6      while(n>0){
 7          int rem=n%10;
 8          count++;
 9          rev=rev*10+rem;
10          n=n/10;
11      }
12      printf("Number of digits are %d\nReverse number is %d",count,rev);
13      return 0;
14  }
```

input

```
Enter a number: 45678
Number of digits are 5
Reverse number is 87654

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

```c
#include<stdio.h>
int main(){
    int n,sum=0;
    printf("Enter a number: ");
    scanf("%d",&n);
    while(n>0){
        int rem=n%10;
        sum=sum+rem;
        n=n/10;
    }
    printf("Sum the digits is: %d\n",sum);
    int sum1=0;
    while(sum>0){
        int rem=sum%10;
        sum1=sum1+rem;
        sum=sum/10;
    }
    printf("Single digit sum= %d",sum1);
    return 0;
}
```
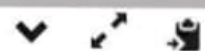
```
Enter a number: 23456
Sum the digits is: 20
Single digit sum= 2

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

```c
main.c
 1  #include<stdio.h>
 2  int main(){
 3      int n,sum=0;
 4      printf("Enter a number: ");
 5      scanf("%d",&n);
 6      while(n>0){
 7          int rem=n%10;
 8          sum=sum+rem+1;
 9          n=n/10;
10      }
11       printf("Increased Sum = %d",sum);
12      return 0;
13  }
```

input

```
Enter a number: 3456
Increased Sum = 22


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

```c
1   #include<stdio.h>
2   int main(){
3       int n,sum=0;
4       printf("Enter a number: ");
5       scanf("%d",&n);
6       printf("Digits according to Mr. HERO are : ");
7       while(n>0){
8           int rem=n%10;
9           if(rem!=0){
10              printf("%d ",rem);
11          }
12          n=n/10;
13      }
14      return 0;
15  }
```

```
Enter a number: 2035
Digits according to Mr. HERO are : 5 3 2

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

```c
#include<stdio.h>
int main(){
    int n,num=0;
    printf("Enter a coded pin: ");
    scanf("%d",&n);
    while(n>0){
        int rem=n%10;
        num=num*10+rem+1;
        n=n/10;
    }
    int rev=0;
    while(num>0){
        int rem=num%10;
        rev=rev*10+rem;
        num=num/10;
    }
    printf("Actual Pin = %d",rev);
    return 0;
}
```

```
Enter a coded pin: 3578
Actual Pin = 4689

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