

```

1) #include <stdio.h>
int main() {
    int number, first Digit, last Digit;
    printf("Enter a number:");
    scanf("%d", &number);
    last Digit = number % 10;
    first Digit = number;
    while (first Digit >= 10) {
        first Digit = first Digit / 10;
    }
    printf("first digit = %.d\n", first Digit);
    printf("last digit = %.d\n", last Digit);
    return 0;
}

```

Output:

Enter a number . 4567

first digit = 4

last digit = 7

2) #include <stdio.h>

```

int main() {

```

int n;

long long factorial = 1;

printf("Enter a number:");

scanf("%d", &n);

if (n < 0) {

printf("Factorial is not defined for negative
numbers.\n");

} else {

for (int i = 1; i <= n; i++) {

factorial *= i;

}

printf("Factorial of %.d = %.11d\n", n, factorial);

```
    Return 0;
```

```
}
```

Output:-

Enter a number:

Factorial of 6 = 720

3) #include <stdio.h>

```
int main()
```

```
{ int n, i, is_prime = 1;
```

```
    printf("Enter a number:");
```

```
    scanf("%d", &n);
```

```
    if (n <= 1) {
```

```
        is_prime = 0; }
```

```
    } else {
```

```
        for (i = 2; i <= n / 2; i++) {
```

```
            if (n % i == 0) {
```

```
                is_prime = 0;
```

```
                break;
```

```
}
```

```
}
```

```
}
```

```
    if (is_prime)
```

```
        printf("%d is a prime number.\n", n);
```

```
    else
```

```
        printf("%d is not a prime number.\n", n);
```

```
    Return 0;
```

```
}
```

Output:-

Enter a number: 7

7 is a prime number.

4) #include <stdio.h>

```
int main()
```

```
{ int num, temp, digit, sum = 0, fact, i;
```

```
    printf("Enter a number:");
```

```

temp = num;
while (num > 0) {
    digit = num % 10;
    fact = 1;
    for (i=1; i <= digit; i++)
        fact = fact * i;
    sum = sum + fact;
    num = num / 10;
}
if (sum == temp)
    printf ("%d is a strong number.\n", temp);
else
    printf ("%d is not a strong number.\n", temp);
return 0;
}

```

Output:
Enter a number: 145
145 is a strong number.

5) #include <stdio.h>
int main() {
 int num, sum = 0, digit;
 printf ("Enter a number: ");
 scanf ("%d", &num);

 while (num > 0) {
 digit = num % 10;
 sum = sum + digit;
 num = num / 10;
 }
 printf ("Sum of digits=%d\n", sum);
 return 0;
}

Output:
Enter a number: 1234
Sum of digits=10.