

```

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\n");
        numbers.\n");
    } else {
        for (int i = 1; i <= n; i++) {
            factorial * = i;
        }
        printf("factorial of %d = %lld\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.