

```

(i) #include <stdio.h>
long factorial(int n){
    long fact = 1;
    for(int i=1; i<=n; i++){
        fact *= i;
    }
    return fact;
}

```

```

int main() {
    int num, OriginalNum, remainder, sum = 0;
    printf("Enter a positive integer:");
    scanf("%d", &num);
    OriginalNum = num;
    while(num != 0) {
        remainder = num % 10;
        sum += factorial(remainder);
        num /= 10;
    }
    if (sum == OriginalNum) {
        printf("%d is a strong number.\n", OriginalNum);
    }
    else {
        printf("%d is not a strong number.\n", OriginalNum);
    }
    return 0;
}

```



```
#include <stdio.h>
```

```
int main(){
```

```
    int number;
```

```
    int sum_of_divisors = 0;
```

```
    int i;
```

```
    printf("Enter a positive integer:");
```

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

```
    for (i = 1; i < number; i++) {
```

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

```
            sum_of_divisors += i;
```

```
        }
```

```
    }
```

```
    if (sum_of_divisors == number) {
```

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

```
    } else {
```

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

```
    }
```

```
    return 0;
```

```
}
```