Q.1 Write a Program to find the cube of a given number using UDF.
For example,
Input:
Enter any number: 5

Output:
Cube is: 125

Ans:

```
// Online C compiler to run C program online
#include <stdio.h>
void cube();
int main() {
   int k;
   printf("enter any number:");
   scanf("%d",&k);
   printf("cube is:");
cube(k);
   return 0;
}
void cube(int a){
   int c;
   c=a*a*a;
   printf("\n%d",c);
}
```

o/p:

```
enter any number:5
cube is:
125

=== Code Execution Successful ===
```

Q.2 Write a Program to check if a given number is divisible by both 3 & 5 or not using UDF.
For example,
Input:
Enter any number: 15

Output:
The given number is divisible by both 3 & 5.

For example,
Input:
Enter any number: 10

Output:
The given number is not divisible by both 3 & 5.

Ans:

```
/ Online C compiler to run C program online
#include <stdio.h>
int divisible(int k);
int main() {
    int k;
    printf("Enter any number: ");
    scanf("%d", &k);
    if (divisible(k)) {
        printf("The given number is divisible by both 3 & 5.\n");
    } else {
        printf("The given number is not divisible by both 3 & 5.\n");
    }
    return 0;
}
int divisible(int k) {
    if (k % 3 == 0 && k % 5 == 0) {
        return 1;
    } else {
        return 0;
    }
}
```

o/p:

```
Enter any number: 15
The given number is divisible by both 3 & 5.


=== Code Execution Successful ===
```