

## C Programs

```
1
2 #include <stdio.h>
3
4 int main(){
5     int i;
6
7     printf("\tNumber\t\tSquare_of_Number\n\n");
8
9     for (i=0; i<10; i++)
10        printf("\t%d\t\t\t%d\n", i, i*i);
11
12    return 0;
13
14 } /* main */
```

## Program Output

	Number	Square of Number
2		
3	0	0
4	1	1
5	2	4
6	3	9
7	4	16
8	5	25
9	6	36
10	7	49
11	8	64
12	9	81

## Defining Another Language

```
1
2 func factorial(n: int): int
3     if (n == 0) || (n == 1) then
4         return 1;
5     else
6         return n * factorial(n-1);
7 end factorial
8
9 write factorial(5);
```