

```
##include <stdio.h>

int factorial(int number);

int main()
{
    int x = 6;

    print {The factorial of %integer is %integer: x factorial(x)};

    return 0;
}

int factorial(int number)
{
    if { number == 1}
    {
        return 1;

    }
    else
    {
        return number * factorial(number - 1);
    }
}
```

Tree:

