

Lesson 37:

# Recursive Function with Returns

## Recursive Function with Returns

# Example of a Recursive Return Method

```
public static int sum1 (int n){  
    if (n ==0)  
        return 0;  
    else  
        return n + sum1(n-1);  
} //sum1
```

## Recursive Function with Returns

### Ex: Factorial

```
public static int factorial(int n){  
    if (n == 0)  
        return 1;  
    else  
        return n * factorial (n-1);  
  
} //factorial
```