```
<u>Pecursion</u> - The idea of a method
                                          running itself
             irside of itself.
```

Examples

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12-8-2: Given the following method declaration, what value is returned as the result of the call
    public static int mystery(irt)
      if n == 0)
return 1;
else
 6 7 }
         return 3 * mystery (n - 1);
A. 243
○ B. 0
O. 3
                                                              mysty (1) = 3+musty(0)
O D. 81
 E. 27
Check Me Compare me
                                                               mystey (6) = 1
```

```
12-8-3: Given the following method declaration, what value is returned as the result of the call
     public static int product(int n)
                                                                 product(3) = 3 + product (
       if (n <= 1)
         return 1;
       else
return n * product(n - 2);
O A. 1
_ В. 10
C. 25
D. 3125
E. 15
Check Me Compare me
```

