

CSC-113 (Computer Programming – II)

Tutorial: Recursion (Solution)

Explanation:

Recursion in Java is a process of defining the method within itself. Therefore, in this process, a method is created which can be called within the same method itself.

Question 01:

```
class Factorial {  
    int fact(int n) {  
        int result;  
        if ( n ==1) return 1;  
        result = fact (n-1) * n;  
        return result;  
    }  
}
```

Question 02:

```
class Recursion {  
    public static void main (String args[]) {  
        Factorial f =new Factorial();  
        System.out.println("Factorial of 3 is " + f.fact(3));  
        System.out.println("Factorial of 3 is " + f.fact(4));  
        System.out.println("Factorial of 3 is " + f.fact(5));  
    }  
}
```