

**NPTEL**

**NPTEL ONLINE COURSE**

**Discrete Mathematics**

**Let Us Count**

**Factorial Explained**

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Our aim now would be to understand the notion of factorial of a number. Let us see what are factorials all about.

Let us revisit how we started off with the chapter. In how many ways can this one person take her photographs? In how many ways can two people take it? In how many ways can three people take it. In how many ways can four and five people take it. As you're observing all we are doing here is  $n$  factorial. Let us now see how exactly it turns out to be  $n$  factorial.

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