What is recursion in java?

In java, recursion is when a function calls itself recursively over and over until a certain function is met to solve a problem.

What are some stuff we can use recursion for?

We can use recursion for stuff like:

- Calculating the factorial of a number
- Fibonacci sequence
- Any problem that requires looping

```java
public class Underscores
{
  public static void main(String[]args)
  {
      Scanner kb = new Scanner(System.in);
      System.out.println("Please enter a word: ");
      String word = kb.nextLine();
      System.out.println(replace(word));
  }

  public static String replace(String word)
  {
    if(!(word.indexOf(' ') >= 0))
    {
      return word;
    }
    else
    {
      return replace(word.substring(0 , word.indexOf(' ')) + "_" + word.substring(word.indexOf
      (' ') + 1));
    }
  }
}
```

In this example we can see that it runs the replace() function recursively until a certain condition is met.