Software engineer - Code tasks

1. What can go wrong if you replace && with & in the following code:

```
String a=null;
if (a!=null && a.length()>10) {
  …
}
```

2. Write a method (pseudo-code) that returns the factorial of n. (given a parameter n returns n!)

2. Write a pseudocode program that prints the numbers from 1 to 100.
For multiplies of three print "Ping" instead of the number and for multiplies of five print "Pong".
For numbers which are multiplies of both three and five print "Ping Pong"