



C++ Assignments | Recursion - 3 | Week 11

1. Write a recursive function to reverse a number. Avoid preceding 0s in the reversed number.
2. Print all the increasing sequences of length k from first n natural numbers.
3. Given two sorted arrays A and B, generate all possible arrays such that the first element is taken from A then from B then from A, and so on in increasing order till the arrays are exhausted. The generated arrays should end with an element from B.

```
A = {10, 15, 25}
```

```
B = {1, 5, 20, 30}
```

```
Output: {10 20}, {10 20 25 30}, {10 30}, {15 20}, {15 20 25 30}, {15 30},  
{25 30}
```

Note:- Please try to invest time doing the assignments which are necessary to build a strong foundation. Do not directly Copy Paste using Google or ChatGPT. Please use your brain 😊.
