1. Write a method that returns the longest common prefix of two strings. For example, the longest common prefix of **amplifier** and **amplitude** is **ampl**.

The method is:

**static** String prefix(String s1, String s2)

If the two strings don’t have a common prefix, the method returns an empty string. Write a **main** method that prompts the user to enter two strings and displays their longest common prefix.

1. Write a program that prompts the user to enter aadhar number in the format DDDD DDDD DDDD, where D is a digit. The program displays **Valid** for a correct aadhar number and **Invalid** otherwise.