

Ex1: Write a program to create a new string made of an input string's first, middle, and last character. (James)

Ex2: Given two strings, s1 and s2. Write a program to create a new string s3 made of the first char of s1, then the last char of s2, Next, the second char of s1 and second last char of s2, and so on. Any leftover chars go at the end of the result. (Abc , Xyz)

Note: Suppose that they be of different lengths, (ex: Abc, Xyztuv -> AubvctzyX)

Ex3: Write a program to use **for** loop to print the following reverse number pattern (n=5)

```
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```

Ex4: (Lab05 Ex06) French country names are feminine when they end with the letter “e”, masculine otherwise, except for the following which are masculine even though they end with “e”:

- le Belize
- le Cambodge
- le Mexique
- le Mozambique
- le Zaïre
- le Zimbabwe

Write a program that reads the French name of a country and adds the article: “le” for masculine or “la” for feminine, such as **le Canada** or **la Belgique**. However, if the country name starts with a vowel, use “l’ ”; for example, l’Afghanistan. For the following plural country names, use “les ”:

- les Etats-Unis
- les Pays-Bas

Ex5: (Lab05 E07) Write an application to pre-sell a limited number of cinema tickets. Each buyer can buy as many as 4 tickets. No more than 100 tickets can be sold. Implement a program that prompts the user for the desired number of tickets and then displays the number of remaining tickets. Repeat until all tickets have been sold, and then display the total number of buyers.