

Ques.1. Create a program that determines if a given year is a leap year.

Ques.2. Create a program to reverse the digits of a number using a while loop.

Ques.3. How can you find the factorial of a number using a while loop?

Ques.4. Write a program that prints a right-angled triangle pattern using stars (*). (See fig below)

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Ques.5. Check if the string "radar" is a palindrome using slicing.

Ques.6. Write a program to count the number of vowels and consonants in a given string. Use control flow statements to classify each character.

Ques.7. Write a Python program to remove duplicate characters from a string. Use control flow to check if a character has already been added to the result.

Ques.8. Write a program to find the first non-repeating character in a string. Use control flow to iterate through the string and check character frequency.

Ques.9. Write a program to print a pyramid pattern with 5 rows.

Ques.10. Write a program to print a square pattern with 4 rows and columns.