

Q1. Write a program that prints the Fibonacci sequence up to a given number using a for loop.

Example:

Input:

10

Output:

0 1 1 2 3 5 8

Q2. Implement a code that finds the largest element in a list using a for loop.

Example:

Input:

[3, 9, 1, 6, 4, 2, 8, 5, 7]

Output:

Largest element: 9

Q3. Write a program that prints the multiplication table of a given number using a for loop.

Example: Input: 5

Output:

5 x 1= 5

5 x 2= 10

5 x 3= 15

...

...

...

5 x 10 = 50

Q4. Implement a function that checks if a given string is a palindrome.

Example:

Input:

"radar"

Output:

"radar" is a palindrome.

Q5. Write a program to make such a pattern like a right angle triangle with a number which will repeat a number in a row. The pattern like :

1

22

333

4444

Q6. Write a program that takes a list of numbers as input and prints the numbers greater than 5 using a for loop and if-else condition.

Q7. Write a program that counts the number of vowels in a given string using a for loop and if-else condition.

Q8. Write a Dart program that counts the number of digits in a given number using a while loop.

Q9. Implement Dart code to generate a random password of a given length using a while loop.

Q10. Create a Dart program that checks if a given string is empty or not using if-else statements.

OR

Q10. Implement Dart code to print the multiplication table of a given number using a while loop.