

Task 02

- 01)** Write a program that calculates the factorial of a number using a while loop.
- 02)** Write a Python program that uses a while loop to print numbers from 1 to 10.
- 03)** How would you modify the previous program to print only even numbers using a continue statement?
- 04)** Create a program that asks the user to enter a password using a while loop. The loop should continue until the correct password is entered and terminate if the user enters 'quit'.
- 05)** Write a program that calculates the sum of the digits of a positive integer the user enters.
- 06)** Implement a program that calculates the result of raising a base number to an exponent entered by the user. Use a while loop to perform repeated multiplication.
- 07)** Write a program to display factors of a positive integer entered by the user. Use a while loop to iterate over potential factors.