Python Practice
Set 8

PW SKILLS

Q1. Write a Python program to create two processes that print out the numbers from 1 to 10 simultaneously.

Q2. Write a Python program that creates four processes and computes the sum of the first 1000 integers using multiprocessing.

Q3. Write a Python program that creates two processes and communicates between them using a Queue. The first process should send a list of numbers to the second process, which should calculate the sum of the numbers and send it back to the first process.

Q4. Write a program to find the maximum number in a list of lists using multiprocessing.

Q5. Write a Python program that uses the Pool class from the multiprocessing module to calculate the squares of a list of integers.

Q6. How do you create a new process using the multiprocessing module in Python?

Q7. How do you use a Pool to execute a function with multiple arguments in parallel?

Q8. Write a Python program to calculate the sum of squares of numbers in a list using multiprocessing.

Q9. Write a Python program that uses the multiprocessing module to calculate the sum of a large list of integers.

Q10. Write a Python program that uses the multiprocessing module to parallelize the computation of the factorial of a number.