



Exercise 13 A

Data Types, Inputs & Outputs

Tasks:

1. You are tasked with writing a C++ program to calculate the square root of a given number. The user needs to provide the number, and the program should display the calculated square root. Search online for an appropriate library for mathematical operations.
2. Write a C++ program that calculates the power of a given number to a given exponent. To perform the calculation, you need to use the `pow` function from a library. Search online for a library to process mathematical operations.
3. Develop a C++ program that uses a library to simulate rolling a six-sided dice. Search online for a library that can be used to generate a random number. The program should generate a random number between 1 and 6 to simulate the dice roll. Display the result of the dice roll to the user.
4. Write a C++ program that takes a task from a user and reminds the user to perform that task after some time. The task and the reminder delay should be taken as inputs from the user. Search online for a library that can be used to insert time delays.