

Lab Tasks

- Write a power function in C++
- Write a program to read three integers in the main and then send them to the function Max which will return the maximum number of the them.
- Write a function that receives two parameters length and width and returns the area of the rectangle.
- Write a C++ function with default values, 1 for the radius of the base for a cylinder and 2 for height to calculate and return the volume of a cylinder, and then call your function from the main with and without arguments.
- Hint: If the cylinder has a radius r and length (height) h , then its volume is given by
 - $V = \pi r^2 h$, $\pi = 3.14$
- Write a function called Sum_even which takes as input two integers N and M entered by the user from keyboard , and returns to the main function the summation of even numbers from N to M. (note: N and M included if were even numbers) .
- Write a function called Is_Capital that has one parameter and receives a character and returns true if the character received is a capital letter, and false otherwise. Then write a main function that calls the Is_Capital function to test its correctness.(you may solve it without using if-else statement).
- Write a C++ function to receive an integer of 3 digits then calculates and returns the sum of the MSD and the LSD. For example if your function received 345 it should return 8.