

# List of Activities

1. Write an algorithm in Java that receives 2 integer values x and y, and calculates the value of z, where  $z = x^2 + y^2$
2. Write an algorithm in Java that reads 2 grades from a student, calculates the average and prints PASS or FAIL (if approved the average must be at least 6.0)
  - a) Using the IF, ELSE IF, ELSE function
  - b) Using the WHILE function
  - c) Using the FOR function
3. Write an algorithm that calculates and prints the sum of the existing even numbers between 100 and 500.
4. Write an algorithm that calculates the Factorial of 750 and prints the final result on the screen
5. Write an algorithm that receives 15 values and informs which is the largest value and prints the result on the screen