Project 4-7 Outline

Aviel Resnick

Project:

Computers use the binary system, which is based on powers of 2. Write a program that displays the positive powers of 2. When the user enters the exponent at a prompt, the program displays 2 to that power. The program halts when the user enters –1.

Overview:

In order to solve the problem, I would create a method to computer 2^nth power, and call it from the main method, using the user input for n.

Solution (Pseudocode)

Main {

double userPower = userInput // Using a scanner

print (computation(n))

}

Computation (double n) { // Take n as input

return (Math.pow(2, n)) // Use the pow method to computer 2 to the nth

}