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\* Write a Java program to print a table based on power function values

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**package** powerFunctionConverter;

**import** java.util.Scanner;

**import** java.lang.Math;

**public** **class** BaseExpOutput {

**public** **static** **void** main(String[] args) {

Scanner input = **new** Scanner(System.***in***);

**int** a = 0; // base

**int** b = 0; // exponent

**int** loopcount = 4;

*returnPowFuncValue*(a, b, loopcount, input); // declaring arguments

} // end of main program

**public** **static** **int** returnPowFuncValue(**int** a, **int** b, **int** loopcount, Scanner input) { // creating for loop and declaring parameters

**for**(**int** i = 0; i < loopcount; i++) { // program will explicitly run 4 times

System.***out***.println("Enter a:");

a = input.nextInt(); // notice that I am not redeclaring an object for memory purposes

System.***out***.println("Enter b:");

b = input.nextInt();

System.***out***.println(Math.*pow*(a, b)); // a times the power of b will equal x

} // end of for loop

**return** 0;

} // end of returnPowFuncValue

} // end of class