//Assignment 1

//3.

**package** psr;

**import** java.util.Scanner;

**public** **class** homework {

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

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

**int** a = sc.nextInt();

**int** b = sc.nextInt();

System.***out***.println("AND: " + (a & b));

System.***out***.println("OR: " + (a | b));

System.***out***.println("XOR: " + (a ^ b));

System.***out***.println("a left shift by 2: " + (a << 2));

System.***out***.println("a right shift by 2: " + (a >> 2));

System.***out***.println("b left shift by 2: " + (b << 2));

System.***out***.println("b right shift by 2: " + (b >> 2));

}

}

//2.

//package psr;

//

**import** java.util.Scanner;

**public** **class** homework {

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

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

**int** a = sc.nextInt();

**int** b = sc.nextInt();

**double** c = sc.nextDouble();

System.out.println("Addition :" +(a+b));

System.out.println("Subtraction : " + (a - b));

System.out.println("Multiplication: " + (a \* b));

System.out.println("Division : " + (a / b));

**int** result = a+b;

System.out.println("Result:" + (result\*c));

}

}

//1.

**package** psr;

**import** java.util.Scanner;

**public** **class** homework {

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

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

**int** a = sc.nextInt();

**float** b = sc.nextFloat();

**char** c = sc.next().charAt(0);

**float** f = (**float**)a;

**int** ascii = (**int**)c;

System.out.println("float+int: " + (b+f));

System.out.println("char+int: " + (a+ascii)) }}