**Assignment 3:**

**Write a program that swaps the values of two variables without using third variable.**

**package** Day1;

**public** **class** problem3 {

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

**int** x = 40;

**int** y = 2;

System.***out***.println("Before swap:");

System.***out***.println("x value: "+x);

System.***out***.println("y value: "+y);

x = x+y;

y=x-y;

x=x-y;

System.***out***.println("After swap:");

System.***out***.println("x value: "+x);

System.***out***.println("y value: "+y);

}

}

OUTPUT :

Before swap:

x value: 40

y value: 2

After swap:

x value: 2

y value: 40