

Project: p01

Assignment: Write a Java program that will print the approximate value of π using the given formula: $\pi = 4 \times \left(1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \frac{1}{9} - \frac{1}{11} + \dots\right)$.

1. Display the value $4 \times \left(1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \frac{1}{9} - \frac{1}{11}\right)$
2. Display the value $4 \times \left(1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \frac{1}{9} - \frac{1}{11} + \frac{1}{13}\right)$

Program Files: Project 1 consists of file **p01.zip**. File **p01.zip** is the folder containing Java project p01 created by Apache NetBeans. On my computer the full path is E:\My Documents\NetBeansProjects\cs1513\projects\p01. Submit file **p01.zip** to D2L.

pi=2.9760461760461765
pi=3.2837384837384844

Figure 1. Output for project p01