

## Programming Project 4, chapter 7

This programming project is about finding the value of PI. ## Description The value of  $\pi$  can be determined by the series equation

$$\pi = 4x(1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \frac{1}{9} - \frac{1}{11} + \frac{1}{13} - \dots)$$

Write a program to approximate the value of  $\pi$  using the formula even including terms up through 1/99.