Pre-assessment Test : Calculate Pi

- Pi (= 3.14159···) can be calculated using the following formula:

$$\frac{\pi}{4} = 1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \cdots = \sum_{n=0}^{\infty} \frac{(-1)^n}{2n+1}$$

- Make a program that calculates and prints the approximate value of Pi using Python

  - In order to ensure that the calculation stops, you need to think on which condition the calculation is terminated (e.g., n is larger than some specific value)

Submission Guideline

● You should submit the following two files via e-mail.

1. A text file containing your program

2. A power point document explaining how your program works, and how you have tested your program

3. Note that you must write your Name and Examinee number to the above two files.