Assingnment No. 1A

1.

  The purpose of this program is to understand and experience the limits of standard data types when dealing with irrational numbers. Each standard data type has its min and max values. Thus the number of digits representing irrational number is limited(precision is limited).

Write a program that computes and stores in memory any specific irrational number(choose any number you like) with a desired degree of precision.

For example, you can compute Pi with 10, 20, 100, 200, 300, 400 digits after the decimal point.

Measure and report the computation time.