

ITCS113 Computer Programming 1

Practical Quiz 1

Write a program that asks the user to enter “air”, “water” or “steel” (in any case) and the distance in feet that a sound wave will travel in the medium. Any other medium print an invalid message and quit the program. Your program is required to display the amount of time it will take using the speed specified in the table below. Note that *time = distance ÷ speed*

Medium	Speed
Air	1,100 feet per second
Water	4,900 feet per second
Steel	16,400 feet per second

SAMPLE INPUT/OUTPUT

Enter a medium and distance?

Water 6304.6

The time to travel in Water is 1.28665 feet