Conversion Rates

The client is a large corporation that is moving its factories overseas in order to maximize profit. They would like a simple tool that is able to do some conversions for them because here in the US everything is measured differently.

1. We want to be able to convert US Dollars to Chinese Yuan because their business will be needing to convert the numbers when talking to new manufacturers in China. Return the converted currency in your function as a double.

NOTE: Use 1 Chinese Yuan = .14 USD

public double CurrencyConvert(double dollars){

}

@Test

public void CurrencyTest() {

}

1. We need to be able to convert Eastern Standard Time (EST) to China Standard Time CST so that business hours can be adjusted accordingly with the US for collaboration. Return the converted time in your function as a LocalTime object.

public LocalTime TimeConvert(LocalTime currTime){

}

@Test

public void TimeTest() {

}

1. We need to be able to convert distances as well to account for shipping costs from factory to factory. Convert Miles to kilometers and return the value as a double.

public double DistanceConvert(double miles){

}

@Test

public void DistanceTest() {

}

1. We need to be able to convert weights to account for shipping specifications overseas. Convert pounds to kilograms and return the value as a double.

public double WeightConversion(double pounds){

}

@Test

public void WeightTest() {

}

1. We need to be able to calculate average speeds that a person would need to be going in order to get the shipment to the destination on time. This function takes miles and then a target number of hours. Convert this to a speed in kilometers per hour and return the value as a double.

public double SpeedConversion(double miles, double hours){

}

@Test

public void SpeedTest() {

}