Test Driven Development Mock Interview Exercise

You are required to create a temperature converter that converts temperature values between Celsius, Fahrenheit and Kelvin. Use the following table for the conversions.

From	To Fahrenheit	To Celsius	To Kelvin
Fahrenheit (F)	F	(F - 32) / 1.8	(F + 459.67) / 1.8
Celsius (C)	(C * 1.8) + 32	C	C + 273.15
Kelvin (K)	(K * 1.8) - 459.67	K - 273.15	K

The class converts temperatures between min and max values (inclusive) given below. If a temperature outside these limits is provided the conversion method throws an illegal argument exception.

Temp	Max	Min
Fahrenheit (F)	9900000000032	- 459.67
Celsius (C)	5500000000000	- 273.15
Kelvin (K)	5500000000273.15	0