Argument Conversion



* To understand Implicit Conversion
* To understand Explicit Conversion

Explicit and Implicit Conversions

===========================================

***package*** *junitTestScripts;*

***import*** *org.junit.jupiter.api.Assertions;*

***import*** *org.junit.jupiter.params.converter.ArgumentConversionException;*

***import*** *org.junit.jupiter.params.converter.SimpleArgumentConverter;*

***public******class*** *ToStringArgumentCoverter* ***extends*** *SimpleArgumentConverter {*

*@Override*

***protected*** *Object convert(Object source, Class<?> targetType)* ***throws*** *ArgumentConversionException {*

*Assertions.assertEquals(String.****class****, targetType, "Can only convert to String");*

***return*** *String.valueOf(source);*

*}*

*}*

*=====================================*

***package*** *junitTestScripts;*

***import*** *java.util.concurrent.TimeUnit;*

***import*** *org.junit.jupiter.api.Assertions;*

***import*** *org.junit.jupiter.params.ParameterizedTest;*

***import*** *org.junit.jupiter.params.converter.ConvertWith;*

***import*** *org.junit.jupiter.params.provider.EnumSource;*

***public******class*** *ArgumentConvertionexplicitSource {*

*@ParameterizedTest*

*@EnumSource(TimeUnit.****class****)*

***public******void*** *testcaseforExplicit(*

*@ConvertWith(ToStringArgumentCoverter.****class****) String argument*

*)*

*{*

*System.****out****.println("The timeUnit is:" + argument);*

*Assertions.assertNotNull(TimeUnit.valueOf(argument));*

*}*

*}*

*======================*

***package*** *junitTestScripts;*

***import*** *java.time.temporal.ChronoUnit;*

***import*** *org.junit.jupiter.api.Assertions;*

***import*** *org.junit.jupiter.params.ParameterizedTest;*

***import*** *org.junit.jupiter.params.provider.ValueSource;*

***public******class*** *ArgumentConvertionImplicit {*

*// source input = string*

*// junit can implicitly change to a target type as TimeUnit*

*@ParameterizedTest*

*@ValueSource(strings = "SECONDS")*

***public******void*** *testImplicitargumentConversion(ChronoUnit chronounit)*

*{*

*System.****out****.println(chronounit.name());*

*Assertions.assertNotNull(chronounit.name());*

*}*

*}*