**Program Structure**

A group of white rectangular objects

AI-generated content may be incorrect.

**Top-down Integration**

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| --- | --- | --- | --- | --- | --- | --- |
| Unit under test | List of Stubs/Drivers | result | Stub’s return value | Expected results | Actual results | Pass/Fail/No run |
| CookingConversionCalculator | LiquidVolumeConverter.convert |  | 500.0 | 500.0 | 500.0 | Pass |
|  | MassConverter.convert |  | 1200.0 | 1200.0 | 1200.0 | Pass |
|  | TemperatureConverter.convert |  | 10.0 | 10.0 | 10.0 | Pass |
| LiquidVolumeConverter.convert | LiquidVolumeConverter. getConversionFactor |  | 15.0 | 15.0 | 15.0 | Pass |
| LiquidVolumeConverter. getConversionFactor | - |  | - | 473.176 | 473.176 | Pass |
| MassConverter.convert | MassConverter.getConversionFactor |  | 28.349 | 28.349 | 28.349 | Pass |
| MassConverter.getConversionFactor | - |  | 0.454 | 0.454 | 0.454 | Pass |
| TemperatureConverter.convert | - |  | - | 32.2222 | 0 | Fail |
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**Bottom-up Integration**

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| --- | --- | --- | --- | --- | --- | --- |
| Unit under test | List of Stubs/Drivers | result | Stub’s return value | Expected results | Actual results | Pass/Fail/No run |
| LiquidVolumeConverter. getConversionFactor | LiquidVolumeConverter.convert |  | - | 15 | 15 | Pass |
| LiquidVolumeConverter. getConversionFactor + LiquidVolumeConverter.convert | CookingConversionCalculator |  | - | 75 | 75 | Pass |
| MassConverter.getConversionFactor | MassConverter.convert |  | - | 2.205 | 2.205 | Pass |
| MassConverter.getConversionFactor + MassConverter.convert | CookingConversionCalculator |  |  | 8.820 | 8.820 | Pass |
| TemperatureConverter.convert | CookingConversionCalculator |  | - | 104 | 0 | Fail |
| CookingConversionCalculator | - |  | - | 6250 | 6250 | Pass |
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