

## Base Language - Bug #5613

### 4GL built-in functions throw IllegalArgumentException

08/20/2021 10:50 AM - Greg Shah

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>case_num:</b>	
<b>billable:</b>	No		
<b>vendor_id:</b>	GCD		
<b>Description</b>			

#### History

##### #1 - 08/20/2021 10:50 AM - Greg Shah

From Igor:

Some Java counterparts of 4GL functions which are called directly from the converted code can throw IllegalArgumentException. In particular, this results in broken NO-ERROR clause support. For example, Functions.toString(Date value, String fmt) (4GL DATE counterparts) calls date.toString(String fmt) which can throw IllegalArgumentException.

##### #3 - 08/20/2021 10:52 AM - Greg Shah

Igor: Let's avoid using the term "UDF" here since that is specific to database WHERE clause execution. The problem here is with the STRING() 4GL built-in function. Please show a testcase that recreates the problem.

##### #4 - 08/20/2021 11:32 AM - Igor Skornyakov

Greg Shah wrote:

Igor: Let's avoid using the term "UDF" here since that is specific to database WHERE clause execution. The problem here is with the STRING() 4GL built-in function. Please show a testcase that recreates the problem.

For example 4GL DATETIME(NOW, "t").

The corresponding code in the datetime.toString(String fmt):

```
if (datePartFormat.isEmpty() || timePartFormat.isEmpty())
{
    throw new IllegalArgumentException("Invalid datetime format: " + saveFmt);
}
```

**#5 - 08/20/2021 12:07 PM - Greg Shah**

- Subject changed from *STRING() throws IllegalArgumentException* to *4GL built-in functions throw IllegalArgumentException*

Please make a list of all of the cases you have found. It is OK to just list the names of the 4GL programs in the testcases project which are affected.