

```
BeginPackage["QuantumGroups`Utilities`Debugging`"]
```

```
DebugEcho; DebugPrint; DebugEvaluate; DebugSet; DebugPrintHeld;
```

```
Begin["`Private`"];
```

```
DebugSet[x: (True | False)] := ($debugMode = x);
```

```
$debugMode = False;
```

```
SetAttributes[DebugEvaluate, {HoldAll}]
```

```
DebugEvaluate[x__] := If[$debugMode, Evaluate[x]]
```

```
DebugPrint[x__] :=  
  If[$debugMode, Print["mem: ", MemoryInUse[], " time: ", TimeUsed[], " ", x]]
```

```
SetAttributes[ToStringHeld, HoldFirst]
```

```
ToStringHeld[e_] := ToString[HoldForm[e], StandardForm]
```

```
SetAttributes[DebugPrintHeld, {HoldAll}]
```

```
DebugPrintHeld[x__] := If[$debugMode, Print["mem: ", MemoryInUse[],  
  " time: ", TimeUsed[], " ", ReleaseHold[ToStringHeld /@ Hold[x]]]]
```

```
SetAttributes[DebugEcho, {HoldAll}]
```

```
DebugEcho[x_] := Module[{r}, r = x; DebugPrint[r]; r]
```

```
End[];
```

```
EndPackage[];
```