

How To Convert a Hex String to Binary Coded Decimal (BCD) with CASL

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Support Note SN-IMC-1-064

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Restrictions Public Document

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1 Description

This script reads data fields from formatted input string and converts it to BCD (binary coded decimal).

Attention:

- > Input format: hex
- > Output format: dec

This script works with input values from 0 to 99.

2 Disclaimer

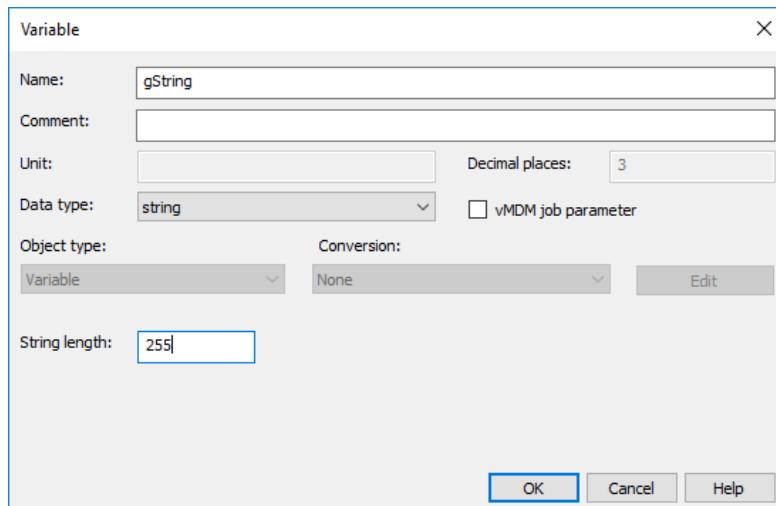
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3 Requirements

You have to define an input String (e.g. `gString` like in the example project):



4 Source Code

```
/*-----*/
| Name:                String2BCD
| Description:         This script reads data fields from formatted input string and
|                     converts it to BCD (binary coded decimal)
|
| Glob. Variables:    gString
|
| Functions:          sscan()
|
| Attention:          create global variable (gString)
|
| Execution:          The script is started when you press the button 'Start Script'
|
| Developed by:       Vector Informatik GmbH / PMC
|-----*/
```

```
byte dec;
byte bcd;
byte high_nibble;
byte low_nibble;

sscan(gString, "%d", dec);
high_nibble = dec / 10;
low_nibble = dec % 10;
bcd = (high_nibble << 4) + low_nibble;

Write("bcd = %d", bcd);
```

5 Look & Feel

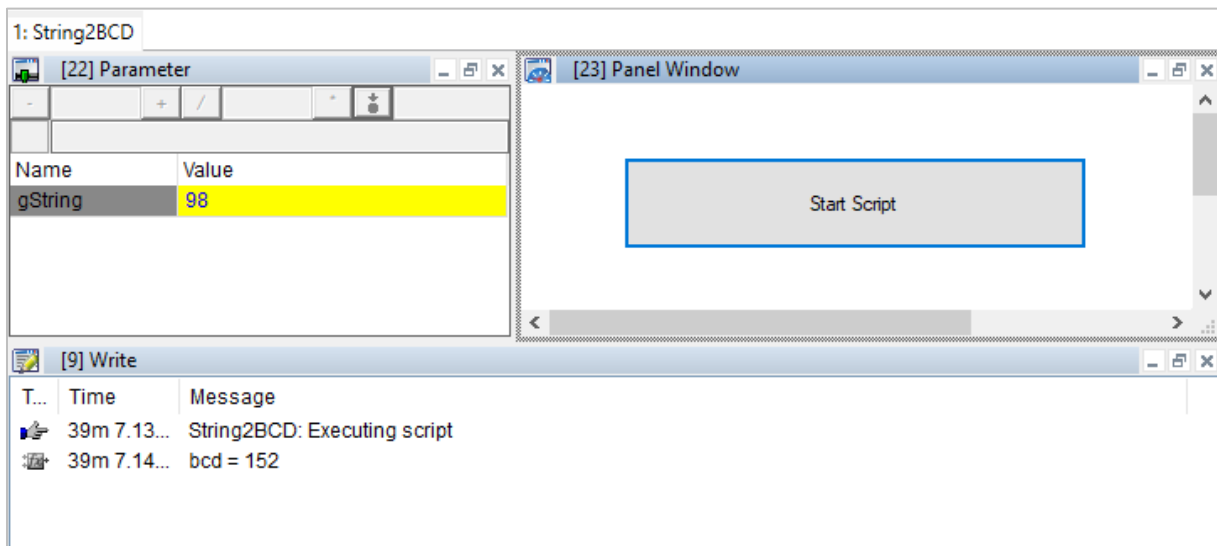


Figure 1: Example Page

6 Contacts

For support related questions please address to the support contact for your country

<https://www.vector.com/int/en/company/contacts/support-contact/>.