NAME

ConversionsUtil

SYNOPSIS

```
use ConversionsUtil;
use ConversionsUtil qw(:math);
use ConversionsUtil qw(:all);
```

DESCRIPTION

ConversionsUtil module provides the following functions:

BinaryToDecimal, BinaryToHexadecimal, DecimalToBinary, DecimalToHexadecimal, DecimalToOctal, DegreesToRadians, HexadecimalToBinary, HexadecimalToDecimal, HexadecimalToOctal, OctalToDecimal, OctalToHexadecimal, RadiansToDegrees, StringToBinary, StringToHexadecimal

FUNCTIONS

```
BinaryToDecimal
```

```
$Decimal = BinaryToDecimal($Binary);
```

Converts a Binary string to Decimal string.

BinaryToHexadecimal

```
$Hexadecimal = BinaryToHexadecimal($Binary);
```

Converts a Binary string to Hexadecimal string.

DecimalToBinary

```
$Binary = DecimalToBinary($Decimal);
```

Converts a Decimal string to Binary string.

DecimalToHexadecimal

```
$Hexadecimal = DecimalToHexadecimal($Decimal);
```

Converts a Decimal string to Hexadecimal string.

DecimalToOctal

```
$Octal = DecimalToOctal($Decimal);
```

Converts a Decimal string to Octal string.

DegreesToRadians

```
$Radians = DegreesToRadians($Degrees, [$DoNotWrapValue]);
```

Converts degrees to radians in the range from 0 to 2PI or to corresponding radians without wrapping the converted value to 0 to 2PI. Default is to wrap the converted value.

HexadecimalToBinary

```
$Binary = HexadecimalToBinary($Hexadecimal);
```

Converts a Hexadecimal string to Binary string.

HexadecimalToDecimal

```
$Decimal = HexadecimalToDecimal($Hexadecimal);
```

Converts a Hexadecimal string to Decimal string.

HexadecimalToOctal

\$Octal = HexadecimalToOctal(\$Hexadecimal);

Converts a Hexadecimal string to Octal string.

OctalToDecimal

```
$Decimal = OctalToDecimal($Octal);
```

Converts a Octal string to Decimal string.

OctalToHexadecimal

```
$Hexadecimal = OctalToHexadecimal($Octal);
```

Converts a Octal string to Hexadecimal string.

RadiansToDegrees

```
$Degrees = RadiansToDegrees($Radians, [$DoNotWrapValue]);
```

Converts radians to degrees in the range from 0 to 360 or to corresponding degrees without wrapping the converted value to 0 to 360. Default is to wrap the converted value.

StringToBinary

```
$BinaryString = StringToBinary($String, [$UseReverseBitOrder]);
```

Converts specified *String* into a Binarystring. Going from left to right, two ways of arranging bits inside each byte are available: Most Significat Bits (MSB) first or Least Significat Bits (LSB) first. Default is MSB corresponding to descending bits order (PerlSpeak) inside each each packed byte (Most singificat bits first).

StringToHexadecimal

Convert string into a hexadecimal string. Two ways of arranging nybbles (pair of 4 bits in each byte) are available: high nybbles first or low nybbles first. Default is MSB corresponding to high nybbles (PerlSpeak) first. Low and high nybbles correspond to pair of a low and high four bits in a byte.

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SEE ALSO

Constants.pm, MathUtil.pm

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