

Type Cast (1A)

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Types and Type Cast Functions

char

char(x)

int8

int8(x)

int16

int16(x)

int32

int32(x)

Int64

Int64(x)

uint8

uint8(x)

uint16

uint16(x)

uint32

uint32(x)

uint64

uint64(x)

double

double(x)

single

single(x)

Typecast functions

```
x = uint16 ([1, 65535]);
```

```
typecast (x, "uint8")
```

```
⇒ [1, 0, 255, 255]
```

String Conversion

hex2dec("FFFF")

dec2hex(255)

bin2dec("11110000")

dec2bin(255)

hex2num("FFFF")

num2bin(255)

```
octave:7> hex2dec("FFFF")
ans = 65535
octave:8> bin2dec("11110000")
ans = 240
octave:9> hex2num("FFFF")
ans = NaN
octave:14>
hex2num("3ff8000000000000")
ans = 1.5000
octave:15>
```

```
octave:15> dec2hex(255)
ans = FF
octave:16> dec2bin(255)
ans = 11111111
octave:17> num2hex(255)
ans = 406fe00000000000
```

References

- [1] Octave Manual