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COMPUTER PROGRAMMING

FUNCTIONS

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Function Procedures

- Functions Having One Parameter
- Functions Having Several Parameters

Some Built-In Functions

- **Function:** Int
- **Example:** Int(4.2) is 4
- **Input:** number
- **Output:** number

- **Function:** Math.Round
- **Example:** Math.Round(2.123, 2) is 2.12
- **Input:** number, number
- **Output:** number

Some Built-In Functions (continued)

- **Function:** Chr
 - **Example:** Chr(65) is A
 - **Input:** number
 - **Output:** string
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- **Function:** Asc
 - **Example:** Asc("Apple") is 65
 - **Input:** string
 - **Output:** number

Function Procedures

- Function procedures (aka user-defined functions) always return one value
- Syntax:

```
Function FunctionName (var1 As Type1 ,  
                        var2 As Type2 ,  
                        ... ) As
```

```
ReturnDataType
```

```
statement(s)
```

```
Return expression
```

```
End Function
```

Example Syntax

```
Function FtoC (t As Double) As  
Double  
    'Convert Fahrenheit temp to  
    Celsius  
    Return (5 / 9) * (t - 32)  
End Function
```

Header of the FtoC Function Procedure

function
name

parameter

data type of
parameter

data type of
value returned

Function FtoC(t As Double) As Double

