

# Strings

## Fundamentals of Computer Science

2010-2011

Ismael Etxeberria Agiriano

18/10/2010



## Index Strings

1. Mid
2. Len
3. Ucase/Lcase
4. Len with Mid



2

## Strings | Mid

### 1.1 Mid Function

- **Syntax**
  - `Mid (str, ini, siz)`
- **Description**
  - Obtains a substring from a string
- **Parameters:**
  - `str`: original string
  - `ini`: starting position
  - `siz`: (optional) size of the resulting string
    - If not specified, until the end of the string



3

## Strings | Mid

### 1.2 Examples with Mid

```
Dim chk As String = "Text sample"
```

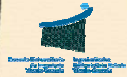
```
Mid (chk, 1, 1)      "T"  
Mid (chk, 2, 1)      "e"  
Mid (chk, 1, 2)      "Te"  
Mid (chk, 4, 3)      "t s"  
Mid (chk, 9)         "ple"  
Mid (chk, 9, 5)      "ple"  
Mid (chk, 0)         Error  
Mid (chk, 12)        ""  
Mid (chk, 50)        ""
```



4

## 2.1 Len Function

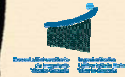
- **Syntax**
  - `Len (str)`
- **Description**
  - Obtains the length of a string
- **Parameters:**
  - `str: string`



5

## 2.2 Examples with Len

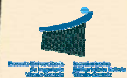
```
Len ("T")      1
Len ("")       0
Len (" ")      1
Len ("Te")     2
Len ("43")     2
Len (43)       Error
```



6

## 3.1 Ucase / Lcase functions

- **Syntax**
  - `Ucase (str)`
  - `Lcase (str)`
- **Description**
  - Converts a string into uppercase (`Ucase`) or lowercase (`Lcase`)
- **Parameters:**
  - `str: string`



7

## 3.2 Examples with Ucase/Lcase

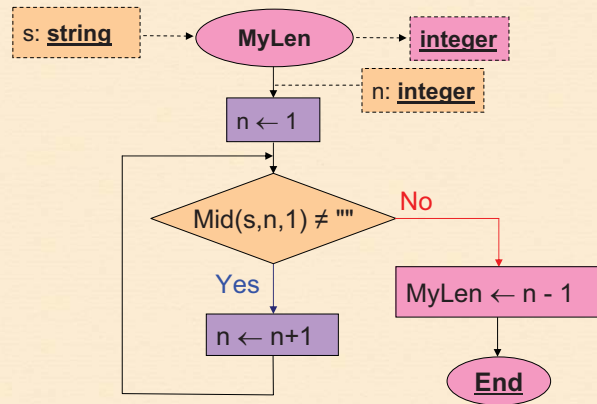
```
Ucase ("T")      "T"
Lcase ("T")      "t"
Ucase ("Hello")  "HELLO"
Lcase ("Hello")  "hello"
Ucase ("43")     "43"
Ucase ("España") "ESPAÑA"
Ucase (43)       "43"
```



8

## 4.1 Len with Mid

- Calculation of the length of a string by using only Mid



## 4.2 VB implementation of MyLen

```

Function MyLen (ByVal s As String) As Integer
    Dim n As Integer
    n = 1
    While Mid(s, n, 1) <> ""
        n = n + 1
    Wend
    MyLen = n - 1
End Function
  
```

