## Front End Engineering-II /Artificial

## Intelligence and Machine Learning

Project Report

Semester-IV (Batch-2022)

# String Method

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Description automatically generated with low confidence

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**Description About the case study**

**convert lowercase column use str.lower()**

**convert lowercase column use apply()**

**Use apply() & lambda function**

**Convert pandas column to lowercase use map()**

**convert uppercase column use str.upper()**

**convert uppercase column use apply()**

**Use apply() & lambda function**

**Convert pandas column to uppercase use map()**

**Library**

**library used in this case study is pandas**

**Method**

# **str.lower():**

**Description: Converts each element in the Series to lowercase.**

# **str.upper():**

**Description: Converts each element in the Series to uppercase.**

# **str.length():**

**Description: Returns the length of each element in the Series.**

# **str.strip():**

**Description: Removes leading and trailing whitespaces from each element in the Series.**

# **str.split():**

**Description: Splits each element in the Series into a list of substrings based on whitespace.**

# **str.contains():**

**Description: Checks if each element in the Series contains a specified substring, returning a boolean Series.**

# **str.replace():**

**Description: Replaces occurrences of a specified substring or pattern with another value in each element of the Series.**

# **str.startswith():**

**Description: Checks if each element in the Series starts with a specified prefix, returning a boolean Series.**

# **str.endswith():**

**Description: Checks if each element in the Series ends with a specified suffix, returning a boolean Series.**

# **str.cat():**

**Description: Concatenates strings element-wise or along a specified axis in the Series.**

# **str.get():**

**Description: Gets the element at a specified position for each string in the Series of strings or lists.**

# **str.slice():**

**Description: Extracts a substring from each element in the Series based on specified start and end indices.**

# **str.find():**

**Description: Finds the lowest index of a specified substring within each element in the Series, returning -1 if not found.**