# fieldChangeTimes()

This function returns the **timestamps** of when a **text field** was changed satisfying a certain **condition**.

**Syntax**

```
fieldChangeTimes(textField, condition) #Output: Number list
```

## Examples

| Parser expression | Description |
|---|---|
| `fieldChangeTimes(%{issue.summary}, ^0% !~~ "IMPORTANT" AND ^1% ~~ "IMPORTANT")` | This example returns the **list of timestamps** of when the word "**IMPORTANT**" has been added to the current **issue's summary** ignoring the case. |
| `fieldChangeTimes(%{issue.priority}, ^0% not in ["Critical", "High"] AND ^1% in ["Critical", "High"])` | This example returns the **list of timestamps** of when the current **issue's priority** has been changed to **Critical** or **High**. |

## Additional information

Parameters used in this function

| Parameter | Input (data type) | Description |
|---|---|---|
| `textField` | TEXT | Any field code representing a text field or a selectable field. |
| `condition` | BOOLEAN | The condition is used to check the field value **before** and **after** the field change.<br><br>The text value before the change is represented by **^0%**, and by **^1%** after the change. |

## Output

This function returns a NUMBER LIST containing the timestamps in ascending order

## Variant for **numeric** / **date-time fields.**

**Syntax**

```
fieldChangeTimes(numberField, condition) #Output: Number list
```

## Examples

| Parser expression | Description |
|---|---|
| `fieldChangeTimes(issue.dueDate, ^0 < ^1)` | This example returns the **list of timestamps** of when the **Due date** has been increased (updated to a higher value). |
| `fieldChangeTimes({issue.cf10001}, abs(^0 - ^1) / ^0 >= 0.25)` | This example returns the **list of timestamps** of when a number field called **Passengers** (with the custom field ID 10001) has been edited with a **variation** of at least **25%** over its previous value. |

## Additional information

Parameters used in this function

| Parameter | Input (data type) | Description |
|---|---|---|
| `numberField` | NUMBER | Any field code representing a number field (including dates). |
| `condition` | BOOLEAN | The condition is used to check the field value **before** and **after** the field change. The number value before the change is represented by `^0`, and by `^1` after the change. |

## Output

This function returns a NUMBER LIST containing the timestamps in ascending order

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Variant for **text fields** in **multiple issues** from a given **issue list**.

**Syntax**

```
fieldChangeTimes(textField, issueList, condition) #Output: Number list
```

## Examples

| Parser expression | Description |
|---|---|
| `fieldChangeTimes(%{issue.summary}, subtasks(), ^0% !~~ "IMPORTANT" AND ^1% ~~ "IMPORTANT")` | This example returns the **list of timestamps** of when the word "**IMPORTANT**" has been added the the **summary** of all current **sub-tasks**, ignoring the case. |
| `fieldChangeTimes(%{issue.priority}, epic(), ^0% = null AND ^1% != null)` | This example returns the **list of timestamps** of when the issue **priority** of the current issue's **epic** has been set. |

```
fieldChangeTimes(%{issue.priority}, linkedIssues("is
blocked by"), ^0% not in ["Critical", "High"] AND ^1%
in ["Critical", "High"])
```

This example returns the **list of timestamps** of when the **priority** in all blocking linked issues has become **Critical** or **High**.

## Additional information

Parameters used in this function

| Parameter | Input (data type) | Description |
|-----------|-------------------|-------------|
| textField | **TEXT** | Any field code representing a text field or a selectable field. |
| issueList | **ISSUE LIST** | A list of issues that will be checked. Learn more about Lists. |
| condition | **BOOLEAN** | The condition is used to check the field value **before** and **after** the field change.<br><br>The text value before the change is represented by `^0%`, and by `^1%` after the change. |

## Output

This function returns a **TEXT LIST** containing the timestamps in ascending order

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Variant for **numeric** / **date-time fields** in **multiple issues** from a given **issue list**.

**Syntax**

```
fieldChangeTimes(numberField, issueList, condition) #Output: Number list
```

## Examples

| Parser expression | Description |
|-------------------|-------------|
| `fieldChangeTimes({issue.`<br>`dueDate}, subtasks(), ^0 < ^1)` | This example returns the **list of timestamps** of when the **Due Date** has been edited to a **higher value** in any of the current **sub-tasks**. |
| `fieldChangeTimes({issue.`<br>`cf10001}, epic(), abs(^0 - ^1)`<br>`/ ^0 >= 0.25)` | This example returns the **list of timestamps** when a number field called **Passengers** (field code {**10001**}) in the current issue's epic has been edited with a **variation** of at least **25%** over its previous value |

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## Additional information

Parameters used in this function

| Parameter | Input (data type) | Description |
|---|---|---|
| numberField | NUMBER | Any field code representing a number field (including dates). |
| issueList | ISSUE LIST | A list of issues that will be checked. Learn more about Lists. |
| condition | BOOLEAN | The condition is used to check the field value **before** and **after** the field change.<br><br>The number value before the change is represented by ^0, and by ^1 after the change. |

## Output

This function returns a NUMBER LIST containing the timestamps in the order of issue appearance

## Use cases and examples

| Use case | JWT feature | Workflow function | Field type | Automated action | Parser functions |
|---|---|---|---|---|---|
| Number of times a custom field has been changed |  | | Number | | count()<br><br>fieldChangeTimes() |