

# matchRows()

Finds the rows in the Table that match the regular expression provided, and returns references to those rows. Returns an array, so for must be used to iterate through all the rows, as shown in the example. The column to search may be specified by either its ID or title.

## Examples

```
let table;

function setup() {
  table = new p5.Table();

  table.addColumn('name');
  table.addColumn('type');

  let newRow = table.addRow();
  newRow.setString('name', 'Lion');
  newRow.setString('type', 'Mammal');

  newRow = table.addRow();
  newRow.setString('name', 'Snake');
  newRow.setString('type', 'Reptile');

  newRow = table.addRow();
  newRow.setString('name', 'Mosquito');
  newRow.setString('type', 'Insect');

  newRow = table.addRow();
  newRow.setString('name', 'Lizard');
  newRow.setString('type', 'Reptile');

  let rows = table.matchRows('R.*', 'type');
  for (let i = 0; i < rows.length; i++) {
    print(rows[i].getString('name') + ': ' + rows[i].getString('type'));
  }
}
```

## Syntax

```
matchRows(regex, [column])
```

## Parameters

regexp      String: The regular expression to match  
 column      String|Integer: The column ID (number) or title (string)

## Returns

p5.TableRow[]: An Array of TableRow objects

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## Related References

### addColumn

Use addColumn() to add a new column to a Table object.

### addRow

Use addRow() to add a new row of data to a p5.Table object.

### clearRows

Removes all rows from a Table.

### columns

An array containing the names of the columns in the table, if the "header" the table is loaded with the "header" parameter.

## p5.js

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