

convertColumnDateToAge

```
/**
 * Converts the measuring date of the second column into the Age
 * of the patient at the measuring day, using the birthday calculated
 * in the function setBirthday.
 *
 * NEEDED FUNCTIONS:
 * - getBirthdayOfCurrentPatient()
 * - calculateAge()
 *
 * @param datatable:
 * The table, that shall be manipulated
 *
 * @param columnToConvert:
 * the index of the column, that shall be converted
 * from a date to the age at that date (index 0 = first column)
 */
function convertColumnDateToAge (datatable, columnToConvert) {
    /* ===== */
    // IMPORTS
    importPackage(java.util);
    importPackage(java.lang);
    importPackage(java.text);

    var tableModel = datatable.getModel();

    // get the patients birthday
    var calendar_birthday = getBirthdayOfCurrentPatient();
    var calendar_creationDate = new GregorianCalendar();

    /* a date formatter to format a date into a String
     * and parse a formatted String into a date
     */
    var formatter = DateFormat.getDateInstance(
        DateFormat.SHORT);

    // replace the creation date with the patient's age in every row
    for (var int_row = 0; int_row < tableModel.getRowCount(); int_row++) {
        /* ----- */
        try {
            // make a Date resp. Calendar out of the formatted String
            calendar_creationDate.setTime(
                formatter.parse(tableModel.getValueAt(int_row,
columnToConvert)));
        } catch (err) {
            // the String couldn't be parsed
            println("manipulateTable(): " + err);
        }
        continue;
    }
}
```

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}

// calculate the patient's age out of the creation date and birthdate
var int_age = new Integer(calculateAge(calendar_birthday,
calendar_creationDate));

// replace the date in the column age with the calculated age
tableModel.setValueAt(int_age, int_row, columnToConvert);
/* ----- */
}
/* ===== */
}
```

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Permanent link:
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