These exercises build upon the exercises in the data cube chapter.

1. write a function called `ndvi` that computes ndvi from a stars object with three dimensions (x, y, band), that takes as argument the band dimension number (with default value 3). This function shall return an object of class `c("ndvi", "stars")`

2. write a `plot` method for `ndvi` objects, which by default takes a color scheme of 10 grey values (`grey((1:10)/10)`) ranging from -1 to 1 (i.e., overwrites `col` and `breaks` arguments of `plot.stars`), and then calls `plot.stars` with these values.

3. write a package with the `ndvi` function and `plot` method that documents both, and contains an example to run it on the data of the cube exercise

4. check whether the package checks cleanly

5. submit the source package (ending in `.tar.gz`) as your learnweb assignment, also when there are errors/warnings/notes left.