Web Application Development - Practice Exam

Instructions:

- Download **practiceExam.zip** from BB. You will see **practiceExam.html** once you unzip the file. You will need to modify the file.
- Put all styles and JavaScript to one file for grading purposes (If not, deduct 1 point)
- Once you finish, upload the file to BB (Uploading the wrong file implies 0 points)
- **Before you leave, confirm with me that you uploaded a file to BB.** (If not, deduct 1 point)

- You can use any materials provided by me and online resources. However, **you cannot use Internet, such as Google to search for the answer.**
- Rendering may vary among browsers even for the same web page. I will only test your work from **Chrome**. You will not get full credit if it doesn't work in Chrome (even if it works in other browsers).

Problem: Write a JavaScript and CSS-enhanced web page that displays the calendar for one month of the year.

- (Given) The user should be asked to supply the name of the month, the year, how many days are in the month, and the day on which the month begins.

Exam: Display Calendar for one month

2019	What Year is this calendar for?
Oct	What Month is this calendar for?
31	How many days does this month have?
Tuesday	What is the first day of the month?

Reset   submit

- Validate all 4 inputs
  - **(1 points)** Year: check 4 digits
  - (Given) Month: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Nov, Dec
  - **(1 points)** Days of the month: between 28 and 31
  - (Given) First day of the week: Sunday, Monday, ~ Saturday

Exam: Display Calendar for one month

20199	What Year is this calendar for?
Oct	What Month is this calendar for?
31	How many days does this month have?
Tuesday	What is the first day of the month?

Reset   submit

The **year** you entered is not in the correct form

Exam: Display Calendar for one month

2019	What Year is this calendar for?
month	What Month is this calendar for?
31	How many days does this month have?
Tuesday	What is the first day of the month?

Reset   submit

The **month** you entered is not in the correct form

Exam: Display Calendar for one month

2019	What Year is this calendar for?
Oct	What Month is this calendar for?
33	How many days does this month have?
Tuesday	What is the first day of the month?

Reset   submit

The **days** you entered is not in the correct form

Exam: Display Calendar for one month

2019	What Year is this calendar for?
Oct	What Month is this calendar for?
31	How many days does this month have?
Tuesday?	What is the first day of the month?

Reset   submit

The **days of the week** you entered is not in the correct form

- **(6 points)** Display the calendar
  Hint: I provided two useful functions to use: `inttoday()` and `daytoint()`.
  Hint: use modulo `%` operator (remainder) to print days to next line

- **(2 points)** The dates falling on Sunday should be printed **in red**. Hint: use `style= "color:red;"` Use embedded CSS style.

Exam: Display Calendar for one month

2019	What Year is this calendar for?
Oct	What Month is this calendar for?
31	How many days does this month have?
Tuesday	What is the first day of the month?

Reset   submit

Oct 2019 Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		