

Lab Exercise 6

Exercise 1: Subtract a week (7 days) from a given date in Python

Exercise 2: Add week (7 days) and 12 hours to a given date

Given:

```
# 2020-03-22 10:00:00
```

```
given_date = datetime(2020, 3, 22, 10, 0, 0)
```

Expected output:

```
2020-03-29 22:00:00
```

Exercise 3: Print ten dates, each two a week apart, starting from today, in the form YYYY-MM-DD.

Exercise 4: Calculate number of days between two given dates

Given:

```
# 2020-02-25
```

```
date_1 = datetime(2020, 2, 25)
```

```
# 2020-09-17
```

```
date_2 = datetime(2020, 9, 17)
```

Expected output:

```
205 days
```

Exercise 5: Write a Python script to display the

a) Current date and time

- b) Current year in full
- c) Month of year full name
- d) Weekday of the week
- e) Day of year
- f) Day of the month
- g) Day of week in full name

Exercise6: Python program to convert a string to datetime:

'Jul 1 2016 2:43AM' into 2016-07-01 02:43:00

Exercise 7: Program to select all the Sundays of a specified year.