

Lecture 5

Programming I

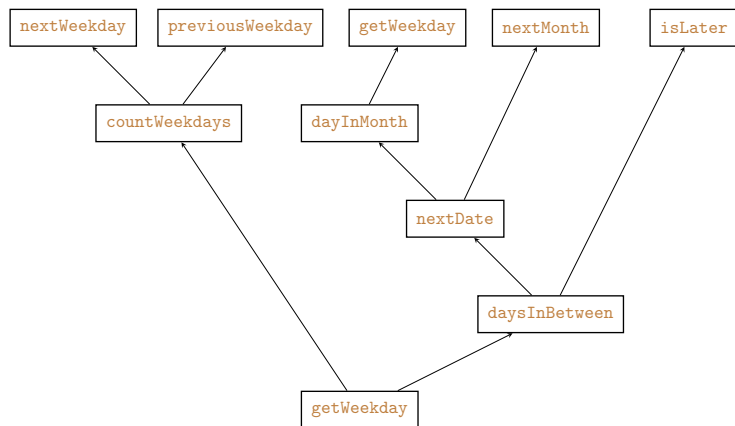
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Calendar

Function Call Graph for Calendar Program



Calendar

List of functions for Calendar Program

1. `getWeekday(d)` : $date \rightarrow weekday$
Given a date d , return the weekday
2. `daysInBetween(d1, d2)` : $date \times date \rightarrow int$
Given two dates $d1$ and $d2$, return the number of days between them
3. `nextDate(d)` : $date \rightarrow date$
Given a date d , return the next date
4. `dayInMonth(m, y)` : $month \rightarrow int$
Given a month m and its year y , return the number of days in that month

Calendar

List of functions for Calendar Program

5. `countWeekdays(wd, days)` : $\text{weekday} \times \text{int} \rightarrow \text{Weekday}$

*Given a weekday `wd` and number of days `days`,
return the weekday which `days` days after `wd`*

6. `nextWeekday(wd)` : $\text{weekday} \rightarrow \text{weekday}$

Given a weekday `wd`, return the next weekday

7. `previousWeekday(wd)` : $\text{weekday} \rightarrow \text{weekday}$

Given a weekday `wd`, return the previous weekday

8. `getWeekday(d)` : $\text{date} \rightarrow \text{weekday}$

Given a date `d`, return the weekday

Calendar

List of functions for Calendar Program

9. `getNextMonth(m)` : $date \times date \rightarrow boolean$

Given a month m , return the next month

10. `isLater(d1, d2)` : $date \times date \rightarrow boolean$

Given two dates $d1$ and $d2$, return if $d1$ is earlier than $d2$