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Spring Boot 9AM

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Spring Boot Scheduling: cron expression

=> cron is used to indicate one date and time
(default is called as point of time).

=> To work with period of time use symbol '/'.
=> Other symbols

dash(-) = Range [From-To]

comma(,) = Possible values [val1,val2,val3]

star (*) = all/any/every

question(?) = all/any/every ---

WHERE === > DAY and WEEK DAY

WHEN === > When Month is provided and

Every DAY and WEEK DAY you want.

=> Cron = SEC MIN HRS DAY MONTH WEEKDAY
0-59 0-59 0-23 1-31 1-12 SUN-SAT

---Ex#-----

=> 1-sec before to new year

59 59 23 31 12 ?

Dec 31st (any week day) 11:59:59 PM

=> Nov Month every day (if week day is not SAT,SUN)

at mid-night (12NOON / 12AM)

0 0 0 ? 11 MON-FRI

--Invaild--

00 00 12 * 11 mon-fri

=> FEB 14th , 9AM and 9PM , if not MONDAY.

0 0 9,21 14 2 TUE-SUN

0 0 9,21 14 2 TUE,WED,THR,FRI,SAT,SUN

=> OCT Every Day and All WeekDay 9AM to 6PM

(9AM,10AM,11AM,12PM,1PM....6PM)

For every one hour

0 0 9-18 ? 10 ?

0 0 9-18 ? 10 SUN-SAT

Valid

0 0 * ? 10 ?

* * * * *

Invaild

? ? ? ? ? ?

* * * * *

* * * * * *

0 0 12 ? * SAT

00 00 12 ? * SAT

Special cases

```
* 10 * * * *
```

=> Every sec of 10th min in every hr(every day even).
(as per document it is invaild, but working)

```
application.properties
```

```
my.app.expression=0 0 9 1 1 ?
```

=> In code : `cron = "${my.app.expression}"`

=> Year is not possible.

Q) If any exception is occured in method execution
of cron Job then?

A) That current execution will be stopped.
based on cron expression next method call is made.

```
m1()--called-->exception
```

```
m1()--called-->eception
```

```
m1()--
```

```
...
```
