

Python Task Scheduler

Consider below python application which schedule task after Minute, Hour as well as on specific Day or specific time.

```
1 import schedule
2 import time
3 import datetime
4
5 def fun_Minute():
6     print("Current time is ")
7     print(datetime.datetime.now())
8     print("Scheduler executed after Minute")
9
10 def fun_Hour():
11     print("Current time is ")
12     print(datetime.datetime.now())
13     print("Scheduler executed after Hour")
14
15 def fun_Day():
16     print("Current time is ")
17     print(datetime.datetime.now())
18     print("Scheduler executed after Day")
19
20 def fun_Afternoon():
21     print("Current time is ")
22     print(datetime.datetime.now())
23     print("Scheduler executed at 12")
24
25 def main():
26     print("Marvellous Infosystems : Python Automation & Machine Learning")
27
28     print("Python Job Scheduler")
29     print(datetime.datetime.now())
30
31     schedule.every(1).minutes.do(fun_Minute)
32
33     schedule.every().hour.do(fun_Hour)
34
35     schedule.every().day.at("00:00").do(fun_Afternoon)
36
37     schedule.every().sunday.do(fun_Day)
38
39     schedule.every().saturday.at("18:30").do(fun_Day)
40
41     while True:
42         schedule.run_pending()
43         time.sleep(1)
44
45 if __name__ == "__main__":
46     main()
47
```

Output of above script

```
MacBook-Pro-de-MARVELLOUS: Desktop marvellous$ python sch.py
Marvellous Infosystems : Python Automation & Machine Learning
Python Job Scheduler
2019-04-20 13:39:17.501788
Current time is
2019-04-20 13:40:17.653276
Scheduler executed after Minute
Current time is
2019-04-20 13:41:17.782483
Scheduler executed after Minute
Current time is
2019-04-20 13:42:17.899424
Scheduler executed after Minute
Current time is
2019-04-20 13:43:18.072133
Scheduler executed after Minute
```

