SW-zadanie 10

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1 Zadanie 1

1.1 Program Zegara

```python
import time
import threading
import msvcrt


t = time.time()
keyM = "a"


def thread1():
    global keyM
    global t

    lock = threading.Lock()
    while True:
        with lock:
            keyM = msvcrt.getch()
            if keyM == b"s":
                my_string = str(input('Enter date(yyyy-mm-dd hh:mm): '))
                t = time.mktime(time.strptime(my_string, "%Y-%m-%d %H:%M"))
                keyM="a"




threading.Thread(target = thread1).start()

while True:
    result = time.asctime(time.localtime(t))
    if(keyM!=b"s"):
        print("Time: ", result)
    time.sleep(1)
    t=t+1
```
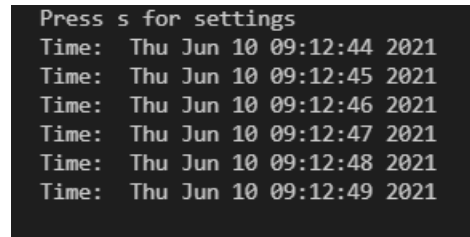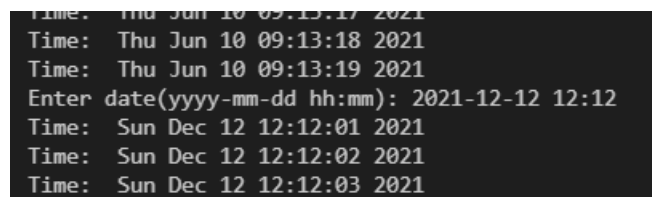
1.2 Działanie programu

```
Press s for settings
Time:   Thu Jun 10 09:12:44 2021
Time:   Thu Jun 10 09:12:45 2021
Time:   Thu Jun 10 09:12:46 2021
Time:   Thu Jun 10 09:12:47 2021
Time:   Thu Jun 10 09:12:48 2021
Time:   Thu Jun 10 09:12:49 2021
```

Figure 1: Terminal po uruchomieniu programu

```
Time:   Thu Jun 10 09:13:17 2021
Time:   Thu Jun 10 09:13:18 2021
Time:   Thu Jun 10 09:13:19 2021
Enter date(yyyy-mm-dd hh:mm): 2021-12-12 12:12
Time:   Sun Dec 12 12:12:01 2021
Time:   Sun Dec 12 12:12:02 2021
Time:   Sun Dec 12 12:12:03 2021
```

Figure 2: Terminal po naciśnieciu klawisza s i zmianie czasu