

#Q1 :

```
week1_sleep=[6,7,8,5,9]
```

```
week2_sleep=[7,6,8,7,6]
```

#Q2 :

```
days_vector=["Monday","Teusday","Wednesday","Thursday","Friday"]
```

#Q3 :

```
daily_difference=[]
```

```
for i in range (5):
```

```
x= week2_sleep[i] - week1_sleep[i]
```

```
daily_difference.append(x)
```

#Q4 :

#a

```
total_week1=0
```

```
for i in range(len(week1_sleep)):
```

```
total_week1 += week1_sleep[i]
```

```
#####print(total_week1)
```

#b

```
total_week2=0
```

```
for i in range(len(week2_sleep)):
```

```
total_week2 += week2_sleep[i]
```

```
#####print(total_week2)
```

#c

```
average_week1=total_week1/len(week1_sleep)
```

```
average_week2=total_week2/len(week2_sleep)
```

#Q5 :

```
slept_more_firs_week=None
```

```
if average_week1 > average_week2 : slept_more_firs_week=True
```

```
else : slept_more_firs_week=False
```

```
#####print(slept_more_firs_week)
```

#Q6 :

#a

```
sleep_wednesday_week1=week1_sleep[2]
```

#b :

```
midweek_sleep_week2=week2_sleep[1]+week2_sleep[2]+week2_sleep[3]
```

#Q7 :

```
sleep_enough_week1=0
```

```
for i in range(len(week1_sleep)):
```

```
if week1_sleep[i] >= 8: sleep_enough_week1 +=1
```

```
#####print(sleep_enough_week1)
```

#Q8 :

```
sleep_successful_days_week1=[]  
for i in range(len(week1_sleep)):  
    if week1_sleep[i]>=8:  
        sleep_successful_days_week1(week1_sleep[i])  
#####print(sleep_successful_days_week1)
```