I have developed code in python 3.7 that satisfies all requirements.

Functions:

1. def Diff(li1, li2):

This function computes difference of two lists.

I have used this function to find closed services and newly opened services.

1. def Monitor():

This function computes monitor mode that was described in requirement file.

I have used datetime to enter current date in file. I have created current\_services list.

I am adding all currently running services in system in this list.

I have used win32con and win32services to list all services.

Next, I am modifying status\_log.txt.

I am subtracting the lists and computing closed services and opened services and using the info to write in status\_log.txt

1. def Monitor():

This function mainly computes a file similar to service\_Log.txt.

User is asked to input 2 different dates.

Then, we are computing closed services and newly opened services based on both dates and writing the info to servi\_Log.txt

1. def Display():

This function displays the options that are visible to user.

1. def Choice():

This function calls the method based on user the choice entered by the user.

We have used a for loop that controls the flow of choice.