

Assignment #6

Submission deadline: 19th April, 2020, Sunday till 11:59pm

Submission guidelines:

- Put all your .cpp files in a folder. Zip that folder and name it with your roll number.
- Email the zipped folder at natalia@pucit.edu.pk. You must put the **subject** of your email as:
"A#6"
- Students who are facing issues with their laptop or compiler can write the code on paper and send the screenshots, following the above guideline. Since your issue will be genuine therefore relaxation will be given accordingly. Don't worry!

Your friend is using a post-paid Internet connection for the first time. The post-paid Internet connections are charged on the basis of total time the Internet has been used in a month. Your friend has to pay the total charges at the end of the month. The Internet service provider gives the customers the bill with the details of usage. But your friend is skeptical and he wants to check it for himself. Your friend has kept a record of the total time of usage in hours, minutes and seconds, every time he connected to Internet. Now he wants to calculate the charges he has to pay for the connection. To help your friend, write a program to calculate total charges of Internet connection. The program should allow your friend to input the usage time of each connection in hours, minutes and seconds and should add it to the total usage time. The program should then calculate the charges of the connection. The charges of the connection are 25 Rupees per hour (extra minutes and second from total are ignored).

To write the program, you are required to use **functions**. Implement three functions for the program that are:

1. Function to input the time (in hours, minutes and seconds) of usages in one sitting.
2. Function to add the input time to the total time of usage (Total time is also in hours, minutes and seconds.).
3. Function to calculate the total charges.

The main function should not contain any functionality. It should consist of series of function calls.

Your program should run as shown below in Sample run. User input is shown in bold.

Sample Run:

```
Enter the time the internet was used for in each sitting (in hours,
minutes and seconds).
Enter -1 to end.
Enter time of First Sitting:
Hour: 3
Minutes: 58
Seconds: 59
Enter time of Next Sitting:
Hour: 2
Minutes: 59
Seconds: 2
```

Enter time of Next Sitting:

Hour: **1**

Minutes: **1**

Seconds: **59**

Enter time of Next Sitting

Hours: **-1**

Total time of usages is 8 hours.

Total charges are 200 Rs.