**Q. Given the number of hours and minutes browsed, write a program to calculate bill for Internet Browsing in a browsing center. The conditions are given below.**

**(a) 1 Hour Rs.50**

**(b) 1-minute Re. 1**

**(c) Rs. 200 for five hours**

**Boundary condition: User can only browse for a maximum of 7 hours**

**Check boundary conditions**

PAC

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| --- | --- | --- | --- |
| **Data** | **Processing** | **Output** | **Solution Alternatives** |
| Number of hours  Number of minutes | If (number of hours >= 5 and number of hours < 7),  Bill = 200 + ((number of hours – 5) \*50) + (number of minutes \* 1)  Else,  Bill = (number of hours\*50) + (number of minutes \* 1) | Print Bill |  |

Algorithm

* Start
* Use variable **Number\_of\_hours**, **Number\_of\_minutes**, **Bill**
* Read **Number\_of\_hours**, **Number\_of\_minutes**
* if **Number\_of\_minutes** >= 60

**Number\_of\_hours** = **Number\_of\_hours** + **Number\_of\_minutes** // 60

**Number\_of\_minutes** = **Number\_of\_minutes** % 60

* if **Number\_of\_hours** >= 7

Print Maximum hours of browsing is 7

else

if **Number\_of\_hours** >=5

**Bill** = 200 + ((**Number\_of\_hours** – 5) \* 50) + (**Number\_of\_minutes** \* 1)

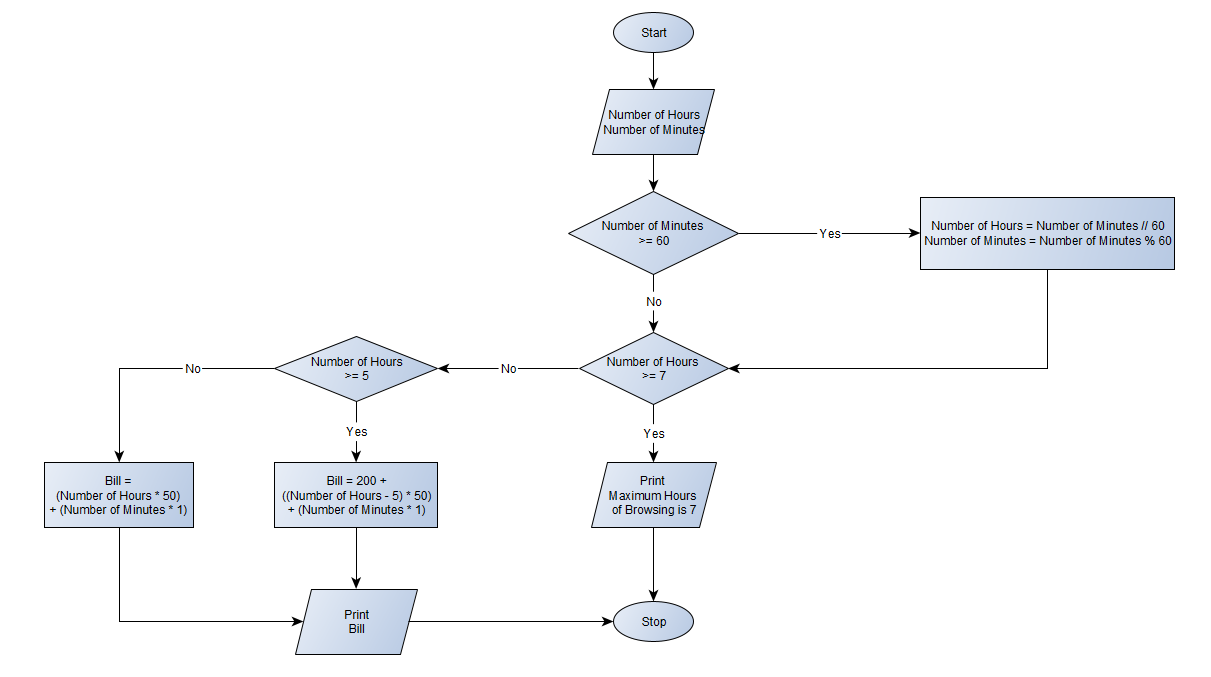
else

**Bill** = (**Number\_of\_hours** \* 50) + (**Number\_of\_minutes** \* 1)

Print **Bill**

* Stop

Flowchart



Python Program

print(**"The maximum number of hours of Browsing is 7"**)  
Number\_of\_Hours = int(input(**"Enter the number of Hours of Browsing : "**))  
Number\_of\_Minutes = int(input(**"Enter the number of Minutes of Browsing : "**))  
if Number\_of\_Minutes >= 60:  
 Number\_of\_Hours = Number\_of\_Minutes // 60  
 Number\_of\_Minutes = Number\_of\_Minutes % 60  
if Number\_of\_Hours >= 7:  
 print(**"The maximum number of hours of Browsing is 7. You can't exceed this limit"**)  
else:  
 if Number\_of\_Hours >= 5:  
 Bill = 200 + ((Number\_of\_Hours - 5) \* 50) + (Number\_of\_Minutes \* 1)  
 else:  
 Bill = (Number\_of\_Hours \* 50) + (Number\_of\_Minutes \* 1)  
 print(**"Bill :"**, round(Bill, 2))