

Assembly Language Programming D  
FAST-NU, Lahore, Spring 2018

Quiz 2

Wednesday, May 2, 2018

Name:	Roll No.
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Complete the following timerISR. Write code to increment the number in num1 after every three timer interrupts while making sure that its value always remains between 0 and 9 (i.e. never exceeds 9). You may use the variable count to make this logic. At the end of the ISR, chain to the original timer ISR. Assume that the IP and CS of the original timer ISR have already been saved in the index 80 of the IVT.

```
org [0x100]
jmp start:
```

```
num1: dw 0
count: dw 0
```

```
timerISR:
    ; start your code here
    ; you can continue to use the other side of this page
    ; do not write any other code except the ISR
```