Quiz 5 – Understanding Timer Operations in TIA

1. What will be the effect of I0.1 when it gets TRUE?

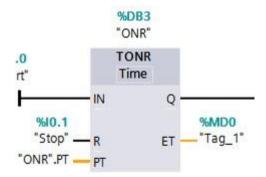
```
%DB4
                  "Timer"
                   TON
%10.0
                                                                          %Q0.0
                   Time
"Tag_1"
                                                                          "Tag_4"
                                                                           1 }
               IN
       T#55 -- PT
                          ET ----
                                                                           %DB4
%10.1
"Tag_7"
                                                                          "Timer"
                                                                           (PT)
 4 F
                                                                           T#25
                                                                           %DB4
%10.2
"Tag_8"
                                                                          "Timer"
 4 F
                                                                          [ RT]-
```

- No effect on the Timer
- It will reset the preset time
- It will add 2 seconds to PT of timer
- It will change PT of timer from 5 seconds to 2 seconds
- 2. What will be the effect of IO.2 on TON?

```
%DB4
                   "Timer"
                   TON
                                                                          %Q0.0
%10.0
"Tag_1"
                   Time
                                                                          "Tag_4"
                                                                           ( )-
               IN
                          Q
       T#55 -- PT
                          ET ----
                                                                           %DB4
 %0.1
"Tag_7"
                                                                          "Timer"
 4 F
                                                                           (PT)
                                                                           T#25
 %10.2
                                                                           %DB4
"Tag_8"
                                                                          "Timer"
                                                                          [ RT]-
```

- It will reset the PT
- It will reset the ET
- It will pause the timer operation

- 3. We can only **read** the values of timers by accessing the associated data block addresses.
- True
- False
- 4. Which one of the following represents the **Address** of Data Block?



- ONR
- I0.1
- MD0
- %DB3
- 5. Can we access the Data block associated to timer anywhere in the PLC Ladder Logic?
- No, it can only be accessed with network where it is used once
- Yes