Time Based SQL Injection

Time based SQI in which attackers insert SQL query causing database pause for a specified amount of time and then returning the results(just delaying the output). This is helpful when the attacker does not have any kind of answer (error/output) from the application because the input validation has been sanitized.

Comments :

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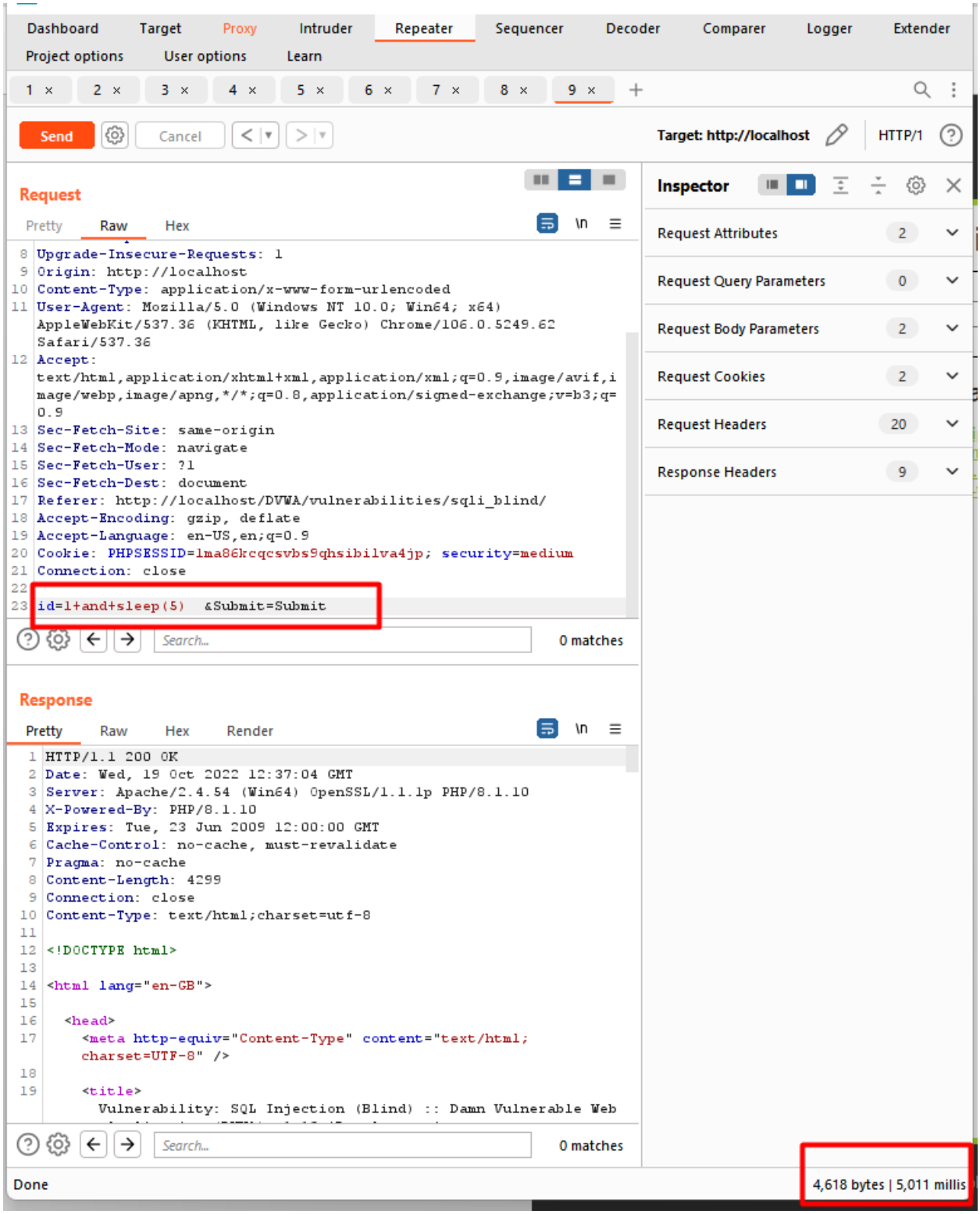
Let us take an example to exploit Time based SQL Injection using : DVWA Application

1. **Using Sleep (Time) :**
   using [+and+sleep(5)]

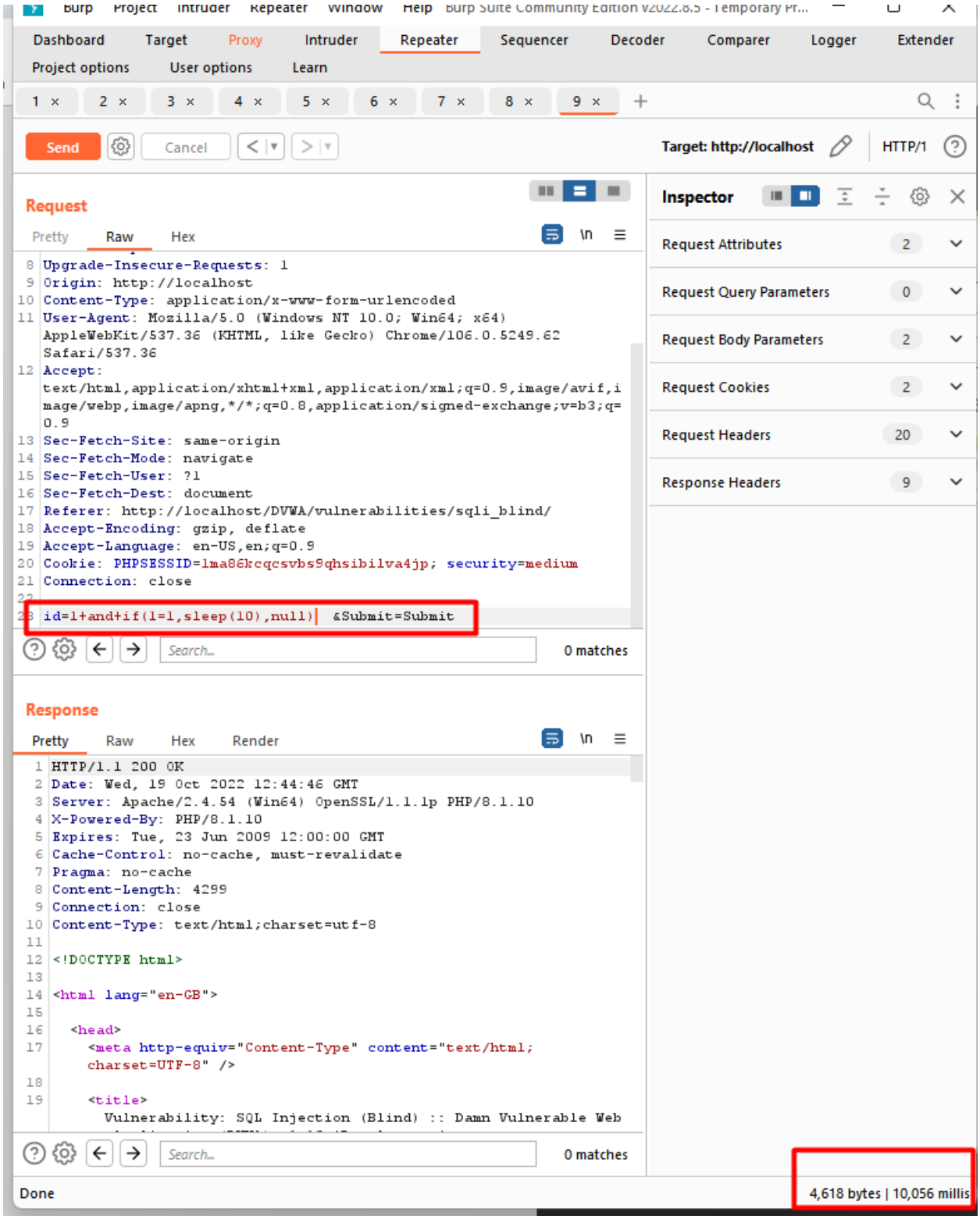
   Following is the query to exploit Time based SQLI. Its basic function is to Sleep for supplied seconds. Here we keep it for 5 seconds. The response is shown in the figure. As the output is delayed for 5 ms.



2. Using IF(condition,when_true, When_false) :

- Using [+and+if(1=1,sleep(10),null)]

Sleep the response for 10 seconds output is too delayed for 10ms. It's true.



- using [+and+if(1=2,sleep(10),null)]

Sleep the response for 10 seconds output is too delayed for 35ms. It's false.