Buffer Overflow Online - B2

Buffer Overflow Attack, CSE 406 January 24, 2024

You are given a vulnerable C program named B2.c. Replace ⟨**param_1**⟩, ⟨**param_2**⟩ in the source code with the corresponding values of Table-1.

Tasks

- Prepare a payload that will cause the program to print your student ID similar to the following pattern.
- Expected Output:

```
Inside Main
Processing Sensitive Information 19
Processing Sensitive Information 190
Processing Sensitive Information 1905
Processing Sensitive Information 19050
Processing Sensitive Information 190509
Processing Sensitive Information 1905091
Segmentation fault
```

- Ensure you don't change the C program other than the macro parameters values as instructed.
- **You must compile the program for 64-bit machine**
- **10%** bonus marks if you do the tasks using only the terminal.
- If you have used a cloud VM, make sure to write the public IP of the VM as a comment in the exploit py file.
- Rename your exploit.py file with 19050xx.py and submit it in Moodle.

Table 1: Parameters

ID	param_1	param_2
1905031	977	2197
1905032	972	2180
1905033	967	2163
1905034	962	2146
1905035	957	2129
1905036	952	2112
1905037	947	2095
1905038	942	2078
1905039	937	2061
1905040	932	2044
1905041	927	2027
1905042	922	2010
1905043	917	1993
1905044	912	1976
1905045	907	1959
1905046	902	1942
1905047	897	1925
1905048	892	1908
1905049	887	1891
1905050	882	1874
1905051	877	1857
1905052	872	1840
1905053	867	1823
1905054	862	1806
1905055	857	1789
1905056	852	1772
1905057	847	1755
1905058	842	1738
1905059	837	1721
1905060	832	1704
Prev 1	827	1687
Prev 2	822	1670
Prev 3	817	1653
Prev 4	812	1636
Prev 5	807	1619
Prev 6	802	1602