

Fuzz Testing Execution Screenshots for CSV-SQL Project

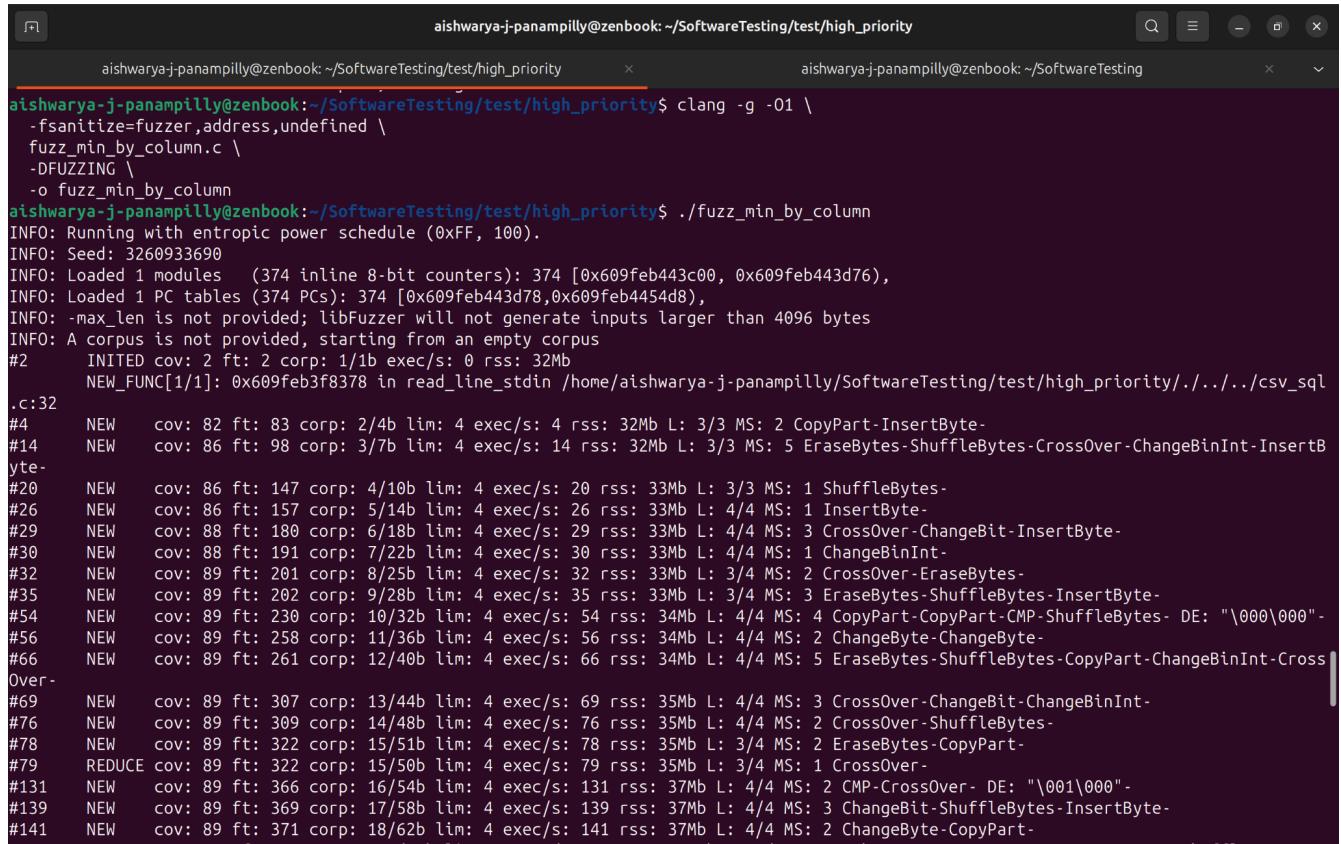
1. Running the Fuzzer on check_column_unique Function in Terminal

```
Activities Terminal Nov 25 12:20
gitlka@gitlka-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Software testing/repo/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_check_column_unique
gitlka@gitlka-Victus-by-HP-Gaming-Laptop-15-fa0xxx:~/Software testing/repo/test/high_priority$ ./fuzz_check_column_unique
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 2009473418
INFO: Loaded 2 PC tables (358 PCs); 358 [0x5ff56ad730d8, 0x5ff56ad74738];
INFO: max_len is not provided; libfuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 75 ft: 76 corp: 1/1b exec/s: 0 rss: 30mb
#3 NEW cov: 76 ft: 81 corp: 2/2b lim: 4 exec/s: 0 rss: 31mb L: 1/1 MS: 1 ChangeBit-
#4 NEW cov: 94 ft: 141 corp: 3/4b lim: 4 exec/s: 0 rss: 31mb L: 2/2 MS: 1 Crossover-
#5 NEW cov: 94 ft: 170 corp: 4/6b lim: 4 exec/s: 0 rss: 31mb L: 2/2 MS: 1 Crossover-
#6 NEW cov: 94 ft: 170 corp: 5/6b lim: 4 exec/s: 0 rss: 31mb L: 2/2 MS: 1 ChangeBit-
#10 NEW cov: 94 ft: 188 corp: 6/10b lim: 4 exec/s: 0 rss: 31mb L: 2/2 MS: 1 ChangeBit-
#11 NEW cov: 94 ft: 215 corp: 7/12b lim: 4 exec/s: 0 rss: 31mb L: 2/2 MS: 1 ChangeBit-
#12 NEW cov: 94 ft: 243 corp: 8/14b lim: 4 exec/s: 0 rss: 31mb L: 2/2 MS: 1 ChangeBit-
#14 NEW cov: 94 ft: 262 corp: 9/16b lim: 4 exec/s: 0 rss: 32mb L: 2/2 MS: 2 ChangeBinInt-changeBit-
#15 NEW cov: 94 ft: 263 corp: 10/19b lim: 4 exec/s: 0 rss: 32mb L: 3/3 MS: 1 CopyPart-
#17 NEW cov: 94 ft: 264 corp: 11/23b lim: 4 exec/s: 0 rss: 32mb L: 4/4 MS: 2 ChangeBit-copyPart-
#19 NEW cov: 94 ft: 301 corp: 12/25b lim: 4 exec/s: 0 rss: 32mb L: 2/4 MS: 2 ChangeBinInt-changeByte-
#24 NEW cov: 94 ft: 381 corp: 13/28b lim: 4 exec/s: 0 rss: 32mb L: 3/4 MS: 5 CopyPart-changeByte-CopyPart-changeByte-
#26 NEW cov: 94 ft: 384 corp: 14/32b lim: 4 exec/s: 0 rss: 32mb L: 3/4 MS: 5 ChangeBit-shuffleBytes-InsertByte-
#30 NEW cov: 94 ft: 396 corp: 15/35b lim: 4 exec/s: 0 rss: 33mb L: 3/4 MS: 3 CopyPart-changeByte-CrossOver-
#44 NEW cov: 94 ft: 334 corp: 16/36b lim: 4 exec/s: 0 rss: 33mb L: 1/4 MS: 4 ChangeBit-shuffleBytes-EraseBytes-CrossOver-
#68 NEW cov: 94 ft: 337 corp: 17/38b lim: 4 exec/s: 0 rss: 35mb L: 2/4 MS: 4 CMP-changeBit-EraseBytes-InsertByte DE: "\377z"-.
#70 NEW cov: 95 ft: 334 corp: 18/42b lim: 4 exec/s: 0 rss: 35mb L: 4/4 MS: 2 PersAutoDict-InsertByte DE: "\377z"-.
#72 NEW cov: 95 ft: 339 corp: 19/44b lim: 4 exec/s: 0 rss: 36mb L: 2/4 MS: 2 ChangeByte-EraseBytes-
#76 NEW cov: 95 ft: 374 corp: 20/45b lim: 4 exec/s: 0 rss: 36mb L: 1/4 MS: 4 PersAutoDict-EraseBytes-CopyPart-changeByte-DE: "\377z"-.
#89 NEW cov: 95 ft: 380 corp: 21/47b lim: 4 exec/s: 0 rss: 37mb L: 2/4 MS: 3 CopyPart-PersAutoDict-changeBinInt-DE: "\377z"-.
#99 NEW cov: 96 ft: 420 corp: 22/50b lim: 4 exec/s: 0 rss: 37mb L: 3/4 MS: 3 ChangeBit-changeBit-changeBinInt-DE: "\377z"-.
#99 NEW cov: 96 ft: 423 corp: 23/54b lim: 4 exec/s: 0 rss: 39mb L: 4/4 MS: 2 Crossover-Crossover-
#124 NEW cov: 96 ft: 451 corp: 24/55b lim: 4 exec/s: 0 rss: 41mb L: 1/4 MS: 5 EraseBytes-CopyPart-changeByte-ChangeBinInt-
#135 NEW cov: 96 ft: 474 corp: 25/58b lim: 4 exec/s: 0 rss: 42mb L: 3/4 MS: 1 InsertByte-
#149 REDUCE cov: 96 ft: 474 corp: 25/57b lim: 4 exec/s: 0 rss: 43mb L: 2/4 MS: 4 EraseBytes-shuffleBytes-shuffleBytes-PersAutoDict- DE: "\377z"-.
#157 NEW cov: 96 ft: 474 corp: 26/59b lim: 4 exec/s: 0 rss: 44mb L: 2/4 MS: 3 InsertByte-changeBinInt-changeByte-
#158 NEW cov: 96 ft: 477 corp: 27/63b lim: 4 exec/s: 0 rss: 44mb L: 4/4 MS: 1 CopyPart-
#174 NEW cov: 99 ft: 480 corp: 28/65b lim: 4 exec/s: 0 rss: 45mb L: 2/4 MS: 1 EraseBytes-
#205 NEW cov: 99 ft: 491 corp: 29/67b lim: 4 exec/s: 0 rss: 45mb L: 3/4 MS: 2 Crossover-
#217 NEW cov: 99 ft: 495 corp: 29/70b lim: 4 exec/s: 0 rss: 47mb L: 2/4 MS: 2 Crossover-InsertByte-
#252 NEW cov: 99 ft: 496 corp: 31/73b lim: 4 exec/s: 0 rss: 51mb L: 3/4 MS: 5 ChangeBinInt-CMP-changeBinInt-CopyPart-CopyPart- DE: "\377z"-.
#281 NEW cov: 99 ft: 504 corp: 32/75b lim: 4 exec/s: 0 rss: 54mb L: 2/4 MS: 4 Crossover-changeBit-shuffleBytes-InsertByte-
#306 NEW cov: 99 ft: 505 corp: 33/79b lim: 4 exec/s: 0 rss: 56mb L: 4/4 MS: 4 Crossover-shuffleBytes-shuffleBytes-CopyPart-
#358 NEW cov: 99 ft: 506 corp: 34/82b lim: 4 exec/s: 0 rss: 62mb L: 3/4 MS: 3 ChangeByte-changeByte-shuffleBytes-
#378 NEW cov: 99 ft: 521 corp: 35/86b lim: 4 exec/s: 0 rss: 64mb L: 4/4 MS: 5 ChangeBinInt-Crossover-CopyPart-shuffleBytes-changeBinInt-
#428 NEW cov: 99 ft: 525 corp: 36/89b lim: 4 exec/s: 0 rss: 69mb L: 4/4 MS: 5 InsertByte-EraseBytes-PersAutoDict-changeBit-changeBinInt- DE: "\377z"-.
#438 REDUCE cov: 99 ft: 525 corp: 36/89b lim: 4 exec/s: 0 rss: 69mb L: 4/4 MS: 5 InsertByte-EraseBytes-PersAutoDict-changeBit-changeBinInt- DE: "\377z"-.
#477 NEW cov: 99 ft: 524 corp: 37/92b lim: 4 exec/s: 0 rss: 70mb L: 4/4 MS: 2 EraseBytes-InsertByte-
#497 NEW cov: 99 ft: 531 corp: 38/97b lim: 4 exec/s: 0 rss: 76mb L: 4/4 MS: 5 ChangeByte-PersAutoDict-InsertByte-CrossOver-changeBit- DE: "\377z"-.
#504 NEW cov: 99 ft: 532 corp: 39/99b lim: 4 exec/s: 0 rss: 76mb L: 2/4 MS: 2 Crossover-EraseBytes-
#505 NEW cov: 99 ft: 534 corp: 40/100b lim: 4 exec/s: 0 rss: 76mb L: 1/4 MS: 1 ChangeBit-
#537 NEW cov: 99 ft: 549 corp: 41/103b lim: 4 exec/s: 0 rss: 79mb L: 3/4 MS: 2 CopyPart-InsertByte-
#612 NEW cov: 99 ft: 557 corp: 42/106b lim: 4 exec/s: 0 rss: 84mb L: 3/4 MS: 5 EraseBytes-shuffleBytes-CopyPart-changeByte-EraseBytes-
#619 REDUCE cov: 99 ft: 557 corp: 42/105b lim: 4 exec/s: 0 rss: 86mb L: 1/4 MS: 2 ChangeByte-Crossover-
#674 NEW cov: 99 ft: 558 corp: 43/109b lim: 4 exec/s: 0 rss: 89mb L: 4/4 MS: 5 Crossover-CopyPart-changeBinInt-CMP-changeBit- DE: "\001\215"-.
```

2. Running the Fuzzer on Fuzz_max_by_columnFunction in Terminal

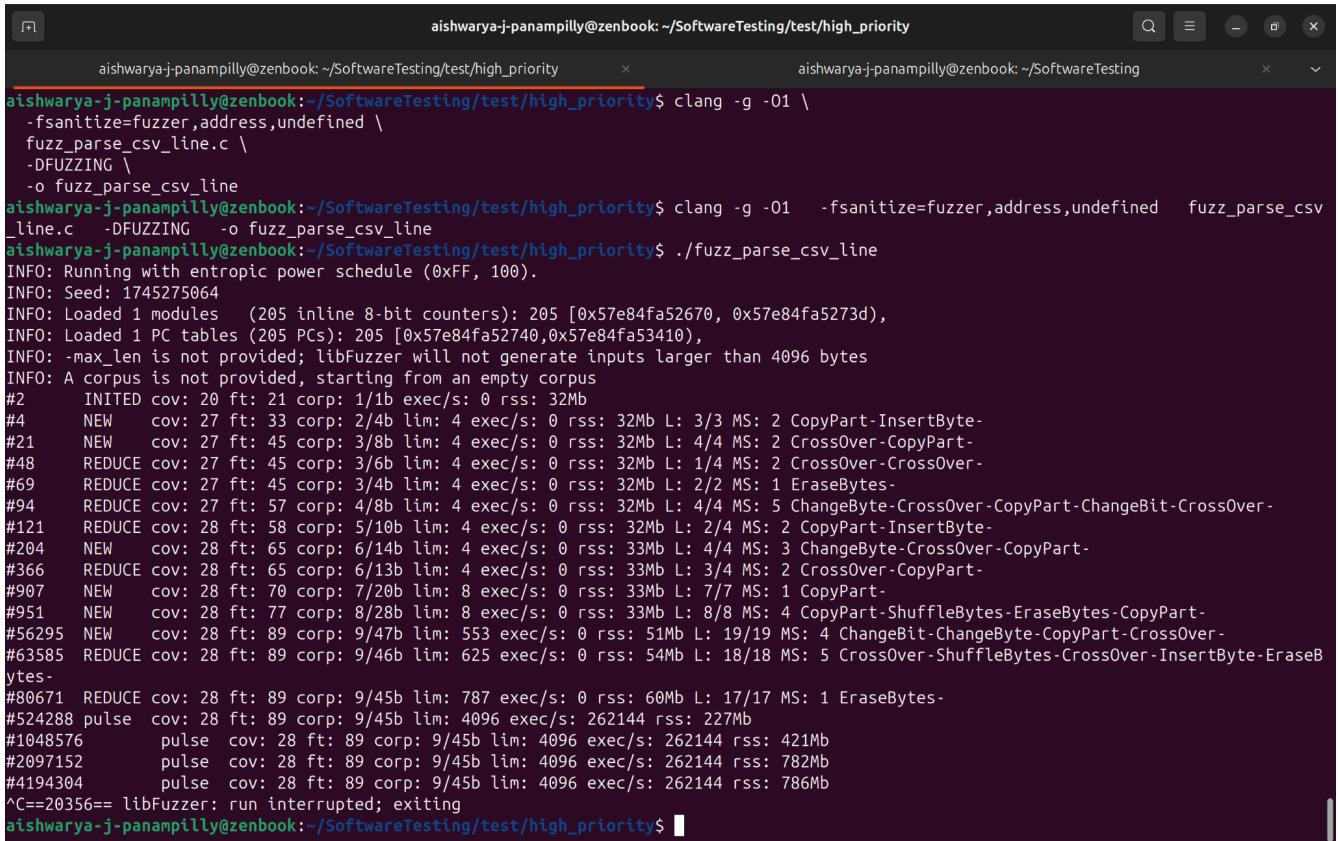
```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_max_by_column.c -DFUZZING -o fuzz_max_by_column
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_max_by_column
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 647446508
INFO: Loaded 1 modules (409 inline 8-bit counters): 409 [0x5a1a6db58cb0, 0x5a1a6db58e49),
INFO: Loaded 1 PC tables (409 PCs): 409 [0x5a1a6db58e50,0x5a1a6db5a7e0),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 32Mb
NEW_FUNC[1/1]: 0x5a1a6db0d378 in read_line_stdin /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql.c:32
#6 NEW cov: 30 ft: 31 corp: 2/5b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 4 InsertByte-ChangeBinInt-ShuffleBytes-CMP- DE: "\000\000"
-
#7 NEW cov: 82 ft: 84 corp: 3/9b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 1 CrossOver-
#8 NEW cov: 82 ft: 105 corp: 4/13b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeByte-
#9 NEW cov: 84 ft: 142 corp: 5/17b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ShuffleBytes-
#10 NEW cov: 84 ft: 161 corp: 6/21b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeBinInt-
#18 NEW cov: 84 ft: 163 corp: 7/25b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 3 CrossOver-ChangeByte-ChangeByte-
#22 NEW cov: 84 ft: 208 corp: 8/29b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 4 EraseBytes-ShuffleBytes-CopyPart-ChangeBit-
#29 REDUCE cov: 84 ft: 208 corp: 8/28b lim: 4 exec/s: 0 rss: 34Mb L: 3/4 MS: 2 ChangeBinInt-EraseBytes-
#30 NEW cov: 84 ft: 219 corp: 9/32b lim: 4 exec/s: 0 rss: 34Mb L: 4/4 MS: 1 ChangeBit-
#33 NEW cov: 84 ft: 228 corp: 10/35b lim: 4 exec/s: 0 rss: 34Mb L: 3/4 MS: 3 ChangeBit-InsertByte-InsertByte-
#66 NEW cov: 84 ft: 254 corp: 11/39b lim: 4 exec/s: 0 rss: 36Mb L: 4/4 MS: 3 CopyPart-ShuffleBytes-ShuffleBytes-
#67 REDUCE cov: 84 ft: 254 corp: 11/38b lim: 4 exec/s: 0 rss: 36Mb L: 3/4 MS: 1 EraseBytes-
#76 NEW cov: 84 ft: 280 corp: 12/41b lim: 4 exec/s: 0 rss: 36Mb L: 3/4 MS: 4 CMP-EraseBytes-CrossOver-ChangeByte- DE: "\001\000\000\011"-#
#90 NEW cov: 84 ft: 299 corp: 13/45b lim: 4 exec/s: 0 rss: 36Mb L: 4/4 MS: 4 CopyPart-ChangeBit-PersAutoDict-ChangeBinInt- DE: "\000\000"-#
#102 REDUCE cov: 106 ft: 323 corp: 14/48b lim: 4 exec/s: 0 rss: 37Mb L: 3/4 MS: 2 ChangeByte-ChangeBit-
#115 REDUCE cov: 106 ft: 325 corp: 15/51b lim: 4 exec/s: 0 rss: 37Mb L: 3/4 MS: 3 EraseBytes-ChangeByte-CrossOver-
#121 NEW cov: 106 ft: 328 corp: 16/55b lim: 4 exec/s: 0 rss: 37Mb L: 4/4 MS: 1 InsertByte-
#128 NEW cov: 106 ft: 337 corp: 17/58b lim: 4 exec/s: 0 rss: 38Mb L: 3/4 MS: 2 EraseBytes-InsertByte-
#147 NEW cov: 106 ft: 340 corp: 18/62b lim: 4 exec/s: 0 rss: 38Mb L: 4/4 MS: 4 ChangeBit-ChangeByte-ChangeByte-CrossOver-
#149 NEW cov: 106 ft: 352 corp: 19/65b lim: 4 exec/s: 0 rss: 38Mb L: 3/4 MS: 2 ChangeByte-ChangeBit-
#151 NEW cov: 106 ft: 372 corp: 20/68b lim: 4 exec/s: 0 rss: 38Mb L: 4/4 MS: 3 ChangeBit-ChangeByte-ChangeBit-
```

3. Running the Fuzzer on Fuzz_min_by_columnFunction in Terminal



```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 \
-fsanitize=fuzzer,address,undefined \
fuzz_min_by_column.c \
-DFUZZING \
-o fuzz_min_by_column
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_min_by_column
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 3260933690
INFO: Loaded 1 modules (374 inline 8-bit counters): 374 [0x609feb443c00, 0x609feb443d76),
INFO: Loaded 1 PC tables (374 PCs): 374 [0x609feb443d78,0x609feb4454d8),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 32Mb
NEW_FUNC[1/1]: 0x609feb3f8378 in read_line_stdin /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql
.c:32
#4 NEW cov: 82 ft: 83 corp: 2/4b lim: 4 exec/s: 4 rss: 32Mb L: 3/3 MS: 2 CopyPart-InsertByte-
#14 NEW cov: 86 ft: 98 corp: 3/7b lim: 4 exec/s: 14 rss: 32Mb L: 3/3 MS: 5 EraseBytes-ShuffleBytes-CrossOver-ChangeBinInt-InsertB
yte-
#20 NEW cov: 86 ft: 147 corp: 4/10b lim: 4 exec/s: 20 rss: 33Mb L: 3/3 MS: 1 ShuffleBytes-
#26 NEW cov: 86 ft: 157 corp: 5/14b lim: 4 exec/s: 26 rss: 33Mb L: 4/4 MS: 1 InsertByte-
#29 NEW cov: 88 ft: 180 corp: 6/18b lim: 4 exec/s: 29 rss: 33Mb L: 4/4 MS: 3 CrossOver-ChangeBit-InsertByte-
#30 NEW cov: 88 ft: 191 corp: 7/22b lim: 4 exec/s: 30 rss: 33Mb L: 4/4 MS: 1 ChangeBinInt-
#32 NEW cov: 89 ft: 201 corp: 8/25b lim: 4 exec/s: 32 rss: 33Mb L: 3/4 MS: 2 CrossOver-EraseBytes-
#35 NEW cov: 89 ft: 202 corp: 9/28b lim: 4 exec/s: 35 rss: 33Mb L: 3/4 MS: 3 EraseBytes-ShuffleBytes-InsertByte-
#54 NEW cov: 89 ft: 230 corp: 10/32b lim: 4 exec/s: 54 rss: 34Mb L: 4/4 MS: 4 CopyPart-CopyPart-CMP-ShuffleBytes- DE: "\000\000"-#
#56 NEW cov: 89 ft: 258 corp: 11/36b lim: 4 exec/s: 56 rss: 34Mb L: 4/4 MS: 2 ChangeByte-ChangeByte-
#66 NEW cov: 89 ft: 261 corp: 12/40b lim: 4 exec/s: 66 rss: 34Mb L: 4/4 MS: 5 EraseBytes-ShuffleBytes-CopyPart-ChangeBinInt-Cross
Over-
#69 NEW cov: 89 ft: 307 corp: 13/44b lim: 4 exec/s: 69 rss: 35Mb L: 4/4 MS: 3 CrossOver-ChangeBit-ChangeBinInt-
#76 NEW cov: 89 ft: 309 corp: 14/48b lim: 4 exec/s: 76 rss: 35Mb L: 4/4 MS: 2 CrossOver-ShuffleBytes-
#78 NEW cov: 89 ft: 322 corp: 15/51b lim: 4 exec/s: 78 rss: 35Mb L: 3/4 MS: 2 EraseBytes-CopyPart-
#79 REDUCE cov: 89 ft: 322 corp: 15/50b lim: 4 exec/s: 79 rss: 35Mb L: 3/4 MS: 1 CrossOver-
#131 NEW cov: 89 ft: 366 corp: 16/54b lim: 4 exec/s: 131 rss: 37Mb L: 4/4 MS: 2 CMP-CrossOver- DE: "\001\000"-#
#139 NEW cov: 89 ft: 369 corp: 17/58b lim: 4 exec/s: 139 rss: 37Mb L: 4/4 MS: 3 ChangeBit-ShuffleBytes-InsertByte-
#141 NEW cov: 89 ft: 371 corp: 18/62b lim: 4 exec/s: 141 rss: 37Mb L: 4/4 MS: 2 ChangeByte-CopyPart-
```

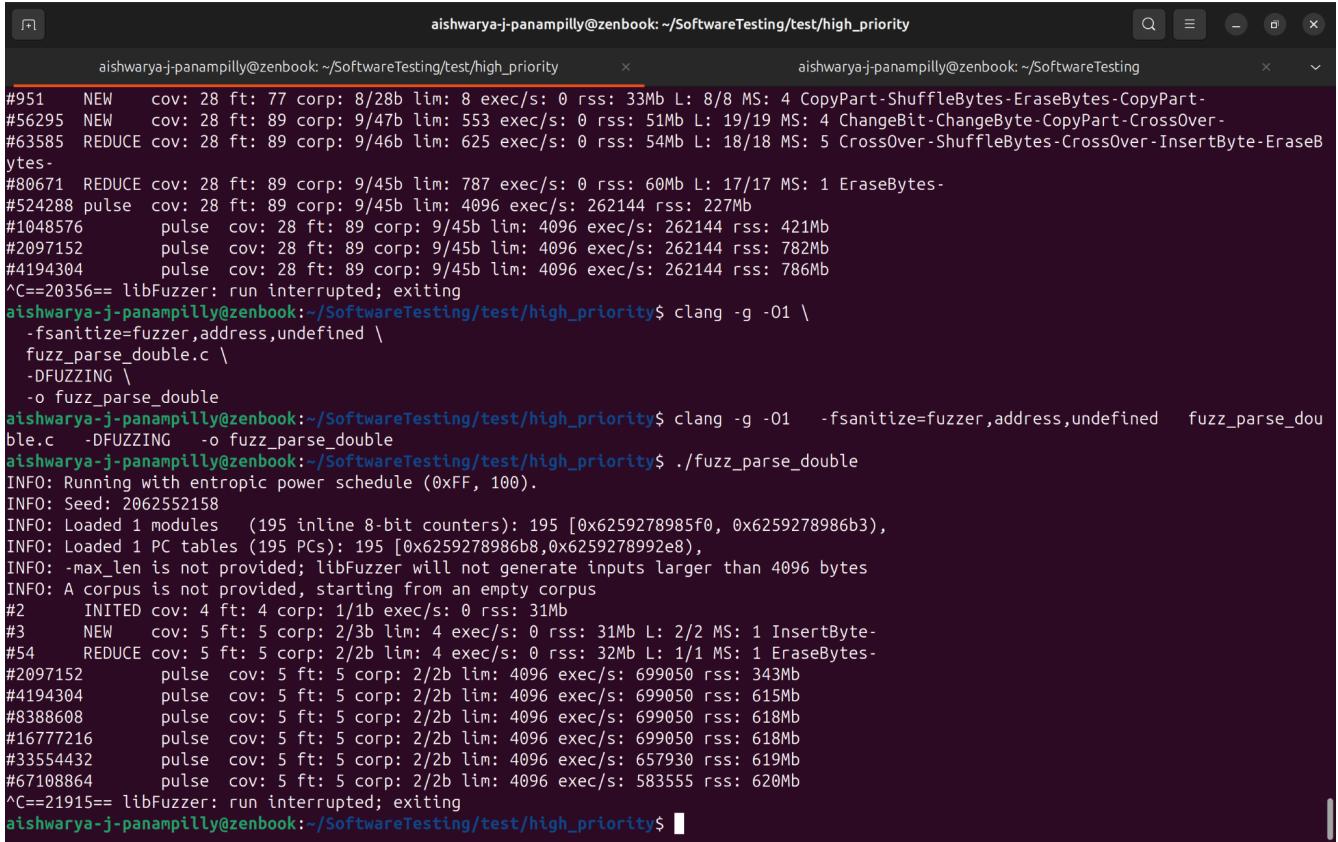
4. Running the Fuzzer on fuzz_parse_csv_line Function in Terminal



The screenshot shows a terminal window with two tabs. The left tab is titled 'aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority' and the right tab is also titled 'aishwarya-j-panampilly@zenbook: ~/SoftwareTesting'. The terminal content is as follows:

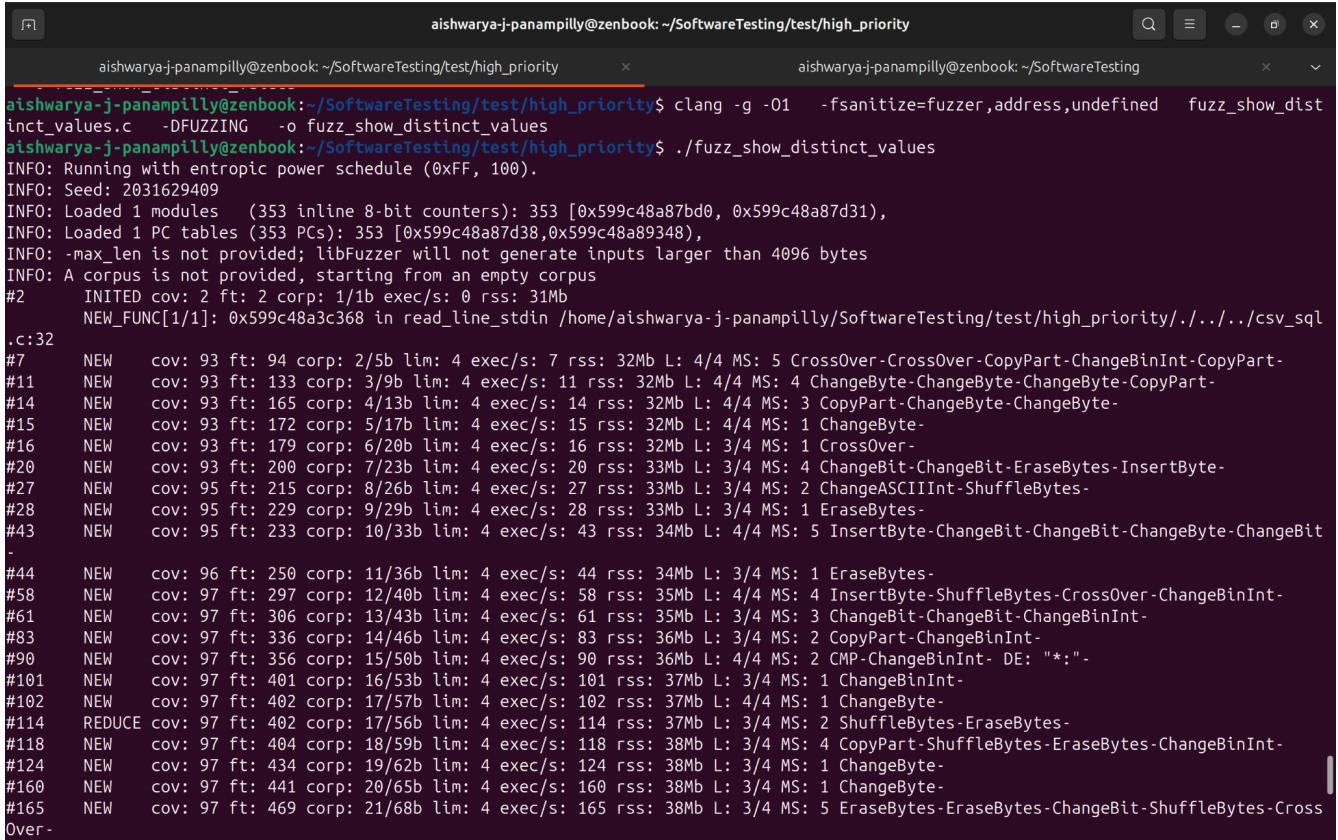
```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 \
-fsanitize=fuzzer,address,undefined \
fuzz_parse_csv_line.c \
-DFUZZING \
-o fuzz_parse_csv_line
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_parse_csv_line.c \
-DFUZZING -o fuzz_parse_csv_line
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_parse_csv_line
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 1745275064
INFO: Loaded 1 modules (205 inline 8-bit counters): 205 [0x57e84fa52670, 0x57e84fa5273d),
INFO: Loaded 1 PC tables (205 PCs): 205 [0x57e84fa52740,0x57e84fa53410),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 20 ft: 21 corp: 1/1b exec/s: 0 rss: 32Mb
#4 NEW cov: 27 ft: 33 corp: 2/4b lim: 4 exec/s: 0 rss: 32Mb L: 3/3 MS: 2 CopyPart-InsertByte-
#21 NEW cov: 27 ft: 45 corp: 3/8b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 2 CrossOver-CopyPart-
#48 REDUCE cov: 27 ft: 45 corp: 3/6b lim: 4 exec/s: 0 rss: 32Mb L: 1/4 MS: 2 CrossOver-CrossOver-
#69 REDUCE cov: 27 ft: 45 corp: 3/4b lim: 4 exec/s: 0 rss: 32Mb L: 2/2 MS: 1 EraseBytes-
#94 REDUCE cov: 27 ft: 57 corp: 4/8b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 5 ChangeByte-CrossOver-CopyPart-ChangeBit-CrossOver-
#121 REDUCE cov: 28 ft: 58 corp: 5/10b lim: 4 exec/s: 0 rss: 32Mb L: 2/4 MS: 2 CopyPart-InsertByte-
#204 NEW cov: 28 ft: 65 corp: 6/14b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 3 ChangeByte-CrossOver-CopyPart-
#366 REDUCE cov: 28 ft: 65 corp: 6/13b lim: 4 exec/s: 0 rss: 33Mb L: 3/4 MS: 2 CrossOver-CopyPart-
#907 NEW cov: 28 ft: 70 corp: 7/20b lim: 8 exec/s: 0 rss: 33Mb L: 7/7 MS: 1 CopyPart-
#951 NEW cov: 28 ft: 77 corp: 8/28b lim: 8 exec/s: 0 rss: 33Mb L: 8/8 MS: 4 CopyPart-ShuffleBytes-EraseBytes-CopyPart-
#56295 NEW cov: 28 ft: 89 corp: 9/47b lim: 553 exec/s: 0 rss: 51Mb L: 19/19 MS: 4 ChangeBit-ChangeByte-CopyPart-CrossOver-
#63585 REDUCE cov: 28 ft: 89 corp: 9/46b lim: 625 exec/s: 0 rss: 54Mb L: 18/18 MS: 5 CrossOver-ShuffleBytes-CrossOver-InsertByte-EraseBytes-
#80671 REDUCE cov: 28 ft: 89 corp: 9/45b lim: 787 exec/s: 0 rss: 60Mb L: 17/17 MS: 1 EraseBytes-
#524288 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 227Mb
#1048576 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 421Mb
#2097152 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 782Mb
#4194304 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 786Mb
^C==20356== libFuzzer: run interrupted; exiting
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$
```

5. Running the Fuzzer on Fuzz_parse_double Function in Terminal



```
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority
#951 NEW cov: 28 ft: 77 corp: 8/28b lim: 8 exec/s: 0 rss: 33Mb L: 8/8 MS: 4 CopyPart-ShuffleBytes-EraseBytes-CopyPart-
#56295 NEW cov: 28 ft: 89 corp: 9/47b lim: 553 exec/s: 0 rss: 51Mb L: 19/19 MS: 4 ChangeBit-ChangeByte-CopyPart-CrossOver-
#63585 REDUCE cov: 28 ft: 89 corp: 9/46b lim: 625 exec/s: 0 rss: 54Mb L: 18/18 MS: 5 CrossOver-ShuffleBytes-CrossOver-InsertByte-EraseB
ytes-
#80671 REDUCE cov: 28 ft: 89 corp: 9/45b lim: 787 exec/s: 0 rss: 60Mb L: 17/17 MS: 1 EraseBytes-
#524288 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 227Mb
#1048576 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 421Mb
#2097152 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 782Mb
#4194304 pulse cov: 28 ft: 89 corp: 9/45b lim: 4096 exec/s: 262144 rss: 786Mb
^C==20356== libFuzzer: run interrupted; exiting
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 \
  -fsanitize=fuzzer,address,undefined \
  fuzz_parse_double.c \
  -DFUZZING \
  -o fuzz_parse_double
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_parse_double
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 2062552158
INFO: Loaded 1 modules (195 inline 8-bit counters): 195 [0x6259278985f0, 0x6259278986b3),
INFO: Loaded 1 PC tables (195 PCs): 195 [0x6259278986b8,0x6259278992e8),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 4 ft: 4 corp: 1/1b exec/s: 0 rss: 31Mb
#3 NEW cov: 5 ft: 5 corp: 2/3b lim: 4 exec/s: 0 rss: 31Mb L: 2/2 MS: 1 InsertByte-
#54 REDUCE cov: 5 ft: 5 corp: 2/2b lim: 4 exec/s: 0 rss: 32Mb L: 1/1 MS: 1 EraseBytes-
#2097152 pulse cov: 5 ft: 5 corp: 2/2b lim: 4096 exec/s: 699050 rss: 343Mb
#4194304 pulse cov: 5 ft: 5 corp: 2/2b lim: 4096 exec/s: 699050 rss: 615Mb
#8388608 pulse cov: 5 ft: 5 corp: 2/2b lim: 4096 exec/s: 699050 rss: 618Mb
#16777216 pulse cov: 5 ft: 5 corp: 2/2b lim: 4096 exec/s: 699050 rss: 618Mb
#33554432 pulse cov: 5 ft: 5 corp: 2/2b lim: 4096 exec/s: 657930 rss: 619Mb
#67108864 pulse cov: 5 ft: 5 corp: 2/2b lim: 4096 exec/s: 583555 rss: 620Mb
^C==21915== libFuzzer: run interrupted; exiting
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$
```

6. Running the Fuzzer on Fuzz_show_distinct_values Function in Terminal



```
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority

aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_show_distinct_values.c -DFUZZING -o fuzz_show_distinct_values
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority$ ./fuzz_show_distinct_values
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 2031629409
INFO: Loaded 1 modules (353 inline 8-bit counters): 353 [0x599c48a87bd0, 0x599c48a87d31),
INFO: Loaded 1 PC tables (353 PCs): 353 [0x599c48a87d38,0x599c48a89348),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 31Mb
    NEW_FUNC[1/1]: 0x599c48a3c368 in read_line_stdin /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql.c:32
#7 NEW cov: 93 ft: 94 corp: 2/5b lim: 4 exec/s: 7 rss: 32Mb L: 4/4 MS: 5 CrossOver-CrossOver-CopyPart-ChangeBinInt-CopyPart-
#11 NEW cov: 93 ft: 133 corp: 3/9b lim: 4 exec/s: 11 rss: 32Mb L: 4/4 MS: 4 ChangeByte-ChangeByte-ChangeByte-CopyPart-
#14 NEW cov: 93 ft: 165 corp: 4/13b lim: 4 exec/s: 14 rss: 32Mb L: 4/4 MS: 3 CopyPart-ChangeByte-ChangeByte-
#15 NEW cov: 93 ft: 172 corp: 5/17b lim: 4 exec/s: 15 rss: 32Mb L: 4/4 MS: 1 ChangeByte-
#16 NEW cov: 93 ft: 179 corp: 6/20b lim: 4 exec/s: 16 rss: 32Mb L: 3/4 MS: 1 CrossOver-
#20 NEW cov: 93 ft: 200 corp: 7/23b lim: 4 exec/s: 20 rss: 33Mb L: 3/4 MS: 4 ChangeBit-ChangeBit-EraseBytes-InsertByte-
#27 NEW cov: 95 ft: 215 corp: 8/26b lim: 4 exec/s: 27 rss: 33Mb L: 3/4 MS: 2 ChangeASCIIInt-ShuffleBytes-
#28 NEW cov: 95 ft: 229 corp: 9/29b lim: 4 exec/s: 28 rss: 33Mb L: 3/4 MS: 1 EraseBytes-
#43 NEW cov: 95 ft: 233 corp: 10/33b lim: 4 exec/s: 43 rss: 34Mb L: 4/4 MS: 5 InsertByte-ChangeBit-ChangeByte-ChangeBit-
-
#44 NEW cov: 96 ft: 250 corp: 11/36b lim: 4 exec/s: 44 rss: 34Mb L: 3/4 MS: 1 EraseBytes-
#58 NEW cov: 97 ft: 297 corp: 12/40b lim: 4 exec/s: 58 rss: 35Mb L: 4/4 MS: 4 InsertByte-ShuffleBytes-CrossOver-ChangeBinInt-
#61 NEW cov: 97 ft: 306 corp: 13/43b lim: 4 exec/s: 61 rss: 35Mb L: 3/4 MS: 3 ChangeBit-ChangeBit-ChangeBinInt-
#83 NEW cov: 97 ft: 336 corp: 14/46b lim: 4 exec/s: 83 rss: 36Mb L: 3/4 MS: 2 CopyPart-ChangeBinInt-
#90 NEW cov: 97 ft: 356 corp: 15/50b lim: 4 exec/s: 90 rss: 36Mb L: 4/4 MS: 2 CMP-ChangeBinInt- DE: ":"-
#101 NEW cov: 97 ft: 401 corp: 16/53b lim: 4 exec/s: 101 rss: 37Mb L: 3/4 MS: 1 ChangeBinInt-
#102 NEW cov: 97 ft: 402 corp: 17/57b lim: 4 exec/s: 102 rss: 37Mb L: 4/4 MS: 1 ChangeByte-
#114 REDUCE cov: 97 ft: 402 corp: 17/56b lim: 4 exec/s: 114 rss: 37Mb L: 3/4 MS: 2 ShuffleBytes-EraseBytes-
#118 NEW cov: 97 ft: 404 corp: 18/59b lim: 4 exec/s: 118 rss: 38Mb L: 3/4 MS: 4 CopyPart-ShuffleBytes-EraseBytes-ChangeBinInt-
#124 NEW cov: 97 ft: 434 corp: 19/62b lim: 4 exec/s: 124 rss: 38Mb L: 3/4 MS: 1 ChangeByte-
#160 NEW cov: 97 ft: 441 corp: 20/65b lim: 4 exec/s: 160 rss: 38Mb L: 3/4 MS: 1 ChangeByte-
#165 NEW cov: 97 ft: 469 corp: 21/68b lim: 4 exec/s: 165 rss: 38Mb L: 3/4 MS: 5 EraseBytes-EraseBytes-ChangeBit-ShuffleBytes-CrossOver-
```

7. Running the Fuzzer on Fuzz_sort_by_column Function in Terminal

```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_sort_by_c
olumn.c -DFUZZING -o fuzz_sort_by_column
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_sort_by_column
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 1489943263
INFO: Loaded 1 modules (384 inline 8-bit counters): 384 [0x5751651cf10, 0x5751651cf90),
INFO: Loaded 1 PC tables (384 PCs): 384 [0x5751651cf90,0x5751651d1690),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 32Mb
Sorted by column 0 (DESC).
Sorted by column 0 (DESC).
#43 NEW cov: 99 ft: 99 corp: 2/5b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 5 ChangeByte-ShuffleBytes-ChangeByte-CrossOver-CopyPart-
Sorted by column 0 (DESC).
Sorted by column 0 (DESC).
Sorted by column 4 (DESC).
Sorted by column 3 (ASC).
#62 NEW cov: 100 ft: 167 corp: 3/9b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 4 ChangeBit-ShuffleBytes-CopyPart-ChangeBinInt-
Sorted by column 1 (DESC).
#63 NEW cov: 100 ft: 180 corp: 4/13b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 CrossOver-
Sorted by column 3 (ASC).
#64 NEW cov: 100 ft: 210 corp: 5/17b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeByte-
Sorted by column 1 (ASC).
#70 NEW cov: 100 ft: 229 corp: 6/21b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeByte-
Sorted by column 12 (ASC).
#72 NEW cov: 103 ft: 271 corp: 7/25b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 2 CrossOver-CMP- DE: "\000\000"-.
Sorted by column 0 (DESC).
#73 NEW cov: 103 ft: 272 corp: 8/29b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeBit-
Sorted by column 3 (DESC).
Sorted by column 3 (ASC).
Sorted by column 3 (ASC).
#74 NEW cov: 107 ft: 280 corp: 9/33b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeByte-
Sorted by column 3 (DESC).
Sorted by column 3 (ASC).
Sorted by column 3 (ASC).
#77 NEW cov: 107 ft: 298 corp: 10/37b lim: 4 exec/s: 0 rss: 34Mb L: 4/4 MS: 3 ShuffleBytes-ChangeByte-CopyPart-
Sorted by column 1 (ASC).

```

```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_sort_by_c
olumn.c -DFUZZING -o fuzz_sort_by_column
Sorted by column 12 (ASC).
#72 NEW cov: 103 ft: 271 corp: 7/25b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 2 CrossOver-CMP- DE: "\000\000"-.
Sorted by column 0 (DESC).
#73 NEW cov: 103 ft: 272 corp: 8/29b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeBit-
Sorted by column 3 (DESC).
#74 NEW cov: 107 ft: 280 corp: 9/33b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 ChangeByte-
Sorted by column 3 (DESC).
Sorted by column 3 (ASC).
Sorted by column 3 (ASC).
#77 NEW cov: 107 ft: 298 corp: 10/37b lim: 4 exec/s: 0 rss: 34Mb L: 4/4 MS: 3 ShuffleBytes-ChangeByte-CopyPart-
Sorted by column 1 (ASC).
Sorted by column 1 (DESC).
Sorted by column 0 (DESC).
Sorted by column 0 (DESC).
#85 NEW cov: 107 ft: 328 corp: 11/41b lim: 4 exec/s: 0 rss: 34Mb L: 4/4 MS: 3 PersAutoDict-ShuffleBytes-ShuffleBytes- DE: "\000\0
00"-.
Sorted by column 0 (ASC).
Sorted by column 0 (DESC).
Sorted by column 0 (DESC).
#96 NEW cov: 107 ft: 330 corp: 12/45b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 1 ChangeByte-
Sorted by column 0 (ASC).
#98 NEW cov: 107 ft: 382 corp: 13/49b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 2 ShuffleBytes-ChangeBit-
Sorted by column 0 (DESC).
Sorted by column 10 (DESC).
#109 NEW cov: 107 ft: 384 corp: 14/53b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 1 CrossOver-
Sorted by column 0 (DESC).
#110 NEW cov: 107 ft: 385 corp: 15/57b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 1 CrossOver-
Sorted by column 2 (DESC).
Sorted by column 2 (DESC).
#112 NEW cov: 107 ft: 387 corp: 16/61b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 2 ChangeBit-ChangeByte-
Sorted by column 0 (ASC).
Sorted by column 0 (ASC).
Sorted by column 0 (DESC).
#118 NEW cov: 107 ft: 390 corp: 17/65b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 1 PersAutoDict- DE: "\000\000"-.
Sorted by column 0 (ASC).

```

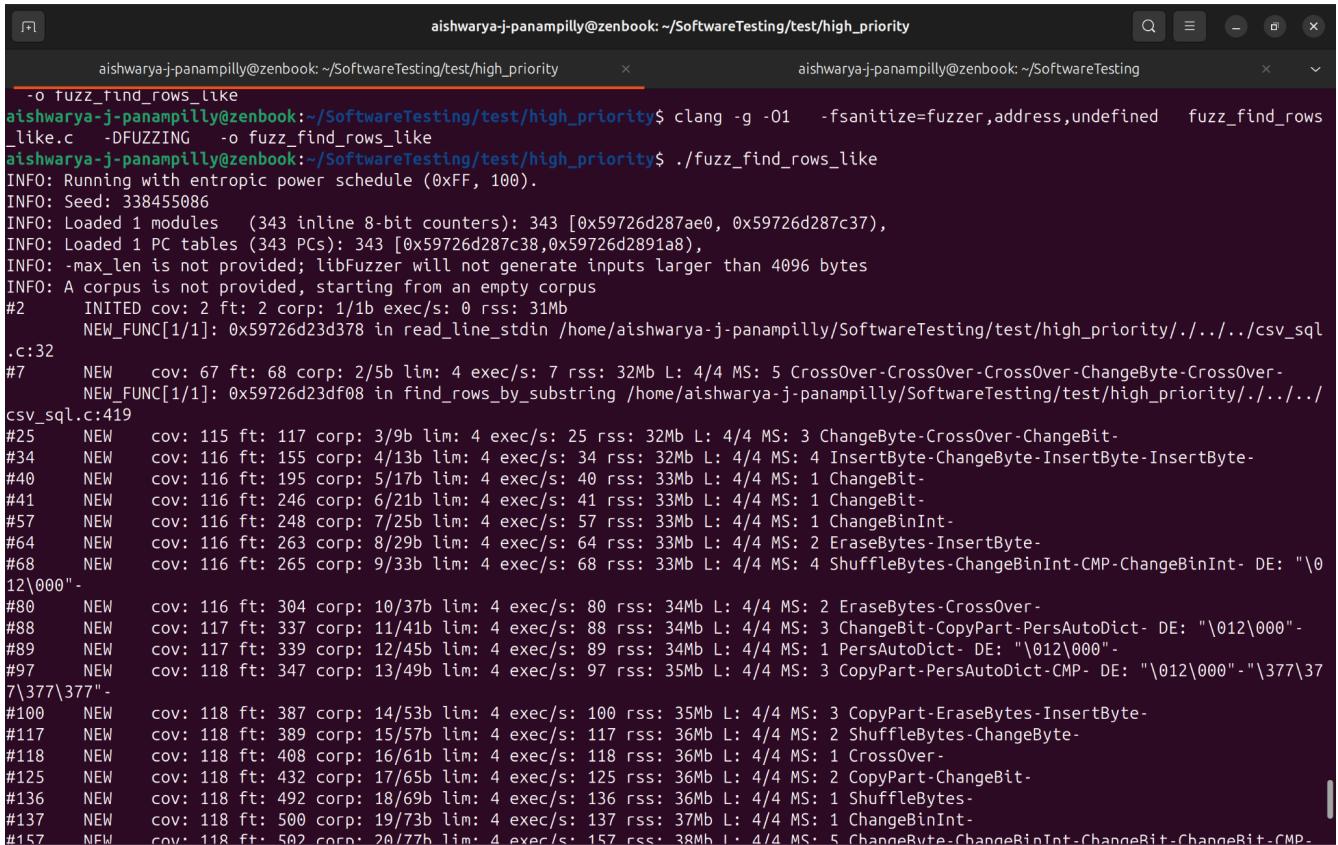
8. Running the Fuzzer on Fuzz_sum_avg_column Function in Terminal

```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_sum_avg_column.c -DFUZZING -o fuzz_sum_avg_column
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_sum_avg_column
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 3717626056
INFO: Loaded 1 modules (345 inline 8-bit counters): 345 [0x5a0393eb3b50, 0x5a0393eb3ca9),
INFO: Loaded 1 PC tables (345 PCs): 345 [0x5a0393eb3cb0,0x5a0393eb5240),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 31Mb
NEW_FUNC[1/1]: 0x5a0393e69378 in read_line_stdin /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql
.c:32
#20 NEW cov: 79 ft: 80 corp: 2/4b lim: 4 exec/s: 20 rss: 32Mb L: 3/3 MS: 3 ChangeByte-InsertByte-CrossOver-
#31 NEW cov: 80 ft: 108 corp: 3/7b lim: 4 exec/s: 31 rss: 32Mb L: 3/3 MS: 1 CrossOver-
#49 NEW cov: 80 ft: 145 corp: 4/11b lim: 4 exec/s: 49 rss: 33Mb L: 4/4 MS: 3 InsertByte-CopyPart-ChangeBinInt-
#56 NEW cov: 80 ft: 162 corp: 5/14b lim: 4 exec/s: 56 rss: 33Mb L: 3/4 MS: 2 CrossOver-InsertByte-
#63 NEW cov: 80 ft: 164 corp: 6/17b lim: 4 exec/s: 63 rss: 33Mb L: 3/4 MS: 2 CopyPart-CrossOver-
#71 NEW cov: 80 ft: 166 corp: 7/20b lim: 4 exec/s: 71 rss: 33Mb L: 3/4 MS: 3 ChangeBinInt-EraseBytes-InsertByte-
#72 NEW cov: 80 ft: 168 corp: 8/23b lim: 4 exec/s: 72 rss: 33Mb L: 3/4 MS: 1 ChangeBit-
#81 NEW cov: 80 ft: 196 corp: 9/27b lim: 4 exec/s: 81 rss: 33Mb L: 4/4 MS: 4 InsertByte-CrossOver-ChangeByte-ChangeByte-
#83 NEW cov: 83 ft: 247 corp: 10/31b lim: 4 exec/s: 83 rss: 33Mb L: 4/4 MS: 2 ChangeBit-ChangeBinInt-
#98 NEW cov: 83 ft: 275 corp: 11/34b lim: 4 exec/s: 98 rss: 34Mb L: 3/4 MS: 5 EraseBytes-ChangeBit-CopyPart-CopyPart-CopyPart-
#101 NEW cov: 83 ft: 320 corp: 12/38b lim: 4 exec/s: 101 rss: 34Mb L: 4/4 MS: 3 ShuffleBytes-ChangeByte-CopyPart-
#109 NEW cov: 83 ft: 337 corp: 13/42b lim: 4 exec/s: 109 rss: 35Mb L: 4/4 MS: 3 ShuffleBytes-CopyPart-ChangeBinInt-
#117 NEW cov: 83 ft: 338 corp: 14/46b lim: 4 exec/s: 117 rss: 35Mb L: 4/4 MS: 3 ChangeBit-CrossOver-ShuffleBytes-
#132 NEW cov: 85 ft: 340 corp: 15/49b lim: 4 exec/s: 132 rss: 36Mb L: 3/4 MS: 5 ChangeByte-ChangeByte-InsertByte-ChangeByte-InsertByte-
#141 NEW cov: 85 ft: 349 corp: 16/52b lim: 4 exec/s: 141 rss: 36Mb L: 3/4 MS: 4 ChangeBit-ChangeBit-CopyPart-CopyPart-
#150 NEW cov: 92 ft: 357 corp: 17/56b lim: 4 exec/s: 150 rss: 36Mb L: 4/4 MS: 4 ChangeByte-ChangeByte-ShuffleBytes-InsertByte-
#158 NEW cov: 92 ft: 358 corp: 18/60b lim: 4 exec/s: 158 rss: 37Mb L: 4/4 MS: 3 CrossOver-ChangeByte-ChangeBit-
#165 NEW cov: 92 ft: 360 corp: 19/63b lim: 4 exec/s: 165 rss: 37Mb L: 3/4 MS: 2 ChangeByte-ChangeBit-
#172 NEW cov: 92 ft: 369 corp: 20/66b lim: 4 exec/s: 172 rss: 38Mb L: 3/4 MS: 2 CopyPart-CopyPart-
#179 NEW cov: 92 ft: 370 corp: 21/70b lim: 4 exec/s: 179 rss: 38Mb L: 4/4 MS: 2 ChangeBit-ChangeByte-
#180 REDUCE cov: 92 ft: 370 corp: 21/69b lim: 4 exec/s: 180 rss: 38Mb L: 3/4 MS: 1 EraseBytes-
#181 NEW cov: 92 ft: 372 corp: 22/73b lim: 4 exec/s: 181 rss: 38Mb L: 4/4 MS: 1 InsertByte-
#188 NEW cov: 92 ft: 372 corp: 22/73b lim: 4 exec/s: 189 rss: 38Mb L: 4/4 MS: 2 CopyPart-CrossOver_ShuffleBytes
```

9. Running the Fuzzer on Fuzz_group_by_column Function in Terminal

```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_group_by_column.c -DFUZZING -o fuzz_group_by_column
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_group_by_column
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 604813341
INFO: Loaded 1 modules (374 inline 8-bit counters): 374 [0x5a9c7ddcce0, 0x5a9c7ddce56),
INFO: Loaded 1 PC tables (374 PCs): 374 [0x5a9c7ddce58,0x5a9c7dde5b8),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 31Mb
    NEW_FUNC[1/1]: 0x5a9c7dd91368 in read_line_stdin /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql.c:32
#7 NEW cov: 99 ft: 100 corp: 2/4b lim: 4 exec/s: 7 rss: 32Mb L: 3/3 MS: 5 ChangeBinInt-ChangeBit-CopyPart-ChangeBinInt-CrossOver
-
#8 NEW cov: 99 ft: 111 corp: 3/8b lim: 4 exec/s: 8 rss: 32Mb L: 4/4 MS: 1 CopyPart-
#10 NEW cov: 104 ft: 178 corp: 4/11b lim: 4 exec/s: 10 rss: 33Mb L: 3/4 MS: 2 EraseBytes-CopyPart-
#18 NEW cov: 104 ft: 183 corp: 5/15b lim: 4 exec/s: 18 rss: 33Mb L: 4/4 MS: 3 ShuffleBytes-ChangeByte-ShuffleBytes-
#21 NEW cov: 104 ft: 185 corp: 6/19b lim: 4 exec/s: 21 rss: 33Mb L: 4/4 MS: 3 EraseBytes-InsertByte-InsertByte-
#30 NEW cov: 104 ft: 224 corp: 7/22b lim: 4 exec/s: 30 rss: 33Mb L: 3/4 MS: 4 CrossOver-CopyPart-ChangeBit-EraseBytes-
#31 NEW cov: 104 ft: 245 corp: 8/26b lim: 4 exec/s: 31 rss: 33Mb L: 4/4 MS: 1 ChangeByte-
#33 NEW cov: 104 ft: 247 corp: 9/29b lim: 4 exec/s: 33 rss: 33Mb L: 3/4 MS: 2 ShuffleBytes-ChangeByte-
#36 NEW cov: 105 ft: 248 corp: 10/32b lim: 4 exec/s: 36 rss: 33Mb L: 3/4 MS: 3 ChangeBit-ChangeByte-ShuffleBytes-
#62 NEW cov: 106 ft: 301 corp: 11/36b lim: 4 exec/s: 62 rss: 34Mb L: 4/4 MS: 1 ChangeBinInt-
#88 NEW cov: 106 ft: 303 corp: 12/40b lim: 4 exec/s: 88 rss: 35Mb L: 4/4 MS: 1 CrossOver-
#91 NEW cov: 106 ft: 310 corp: 13/44b lim: 4 exec/s: 91 rss: 36Mb L: 4/4 MS: 3 CrossOver-ShuffleBytes-ChangeByte-
#102 NEW cov: 106 ft: 338 corp: 14/48b lim: 4 exec/s: 102 rss: 37Mb L: 4/4 MS: 1 CopyPart-
#111 REDUCE cov: 106 ft: 338 corp: 14/47b lim: 4 exec/s: 111 rss: 37Mb L: 3/4 MS: 4 CopyPart-ChangeBit-ShuffleBytes-EraseBytes-
#122 NEW cov: 106 ft: 347 corp: 15/50b lim: 4 exec/s: 122 rss: 37Mb L: 3/4 MS: 1 ChangeBit-
#148 NEW cov: 106 ft: 356 corp: 16/53b lim: 4 exec/s: 148 rss: 39Mb L: 3/4 MS: 1 ChangeByte-
#178 NEW cov: 106 ft: 358 corp: 17/57b lim: 4 exec/s: 178 rss: 41Mb L: 4/4 MS: 5 ChangeBinInt-ChangeBinInt-ShuffleBytes-ChangeByte-
-ChangeBinInt-
#186 NEW cov: 106 ft: 389 corp: 18/60b lim: 4 exec/s: 186 rss: 41Mb L: 3/4 MS: 3 ShuffleBytes-ChangeBinInt-ChangeBit-
#202 NEW cov: 106 ft: 390 corp: 19/63b lim: 4 exec/s: 202 rss: 42Mb L: 3/4 MS: 1 EraseBytes-
#227 REDUCE cov: 106 ft: 390 corp: 19/62b lim: 4 exec/s: 227 rss: 43Mb L: 3/4 MS: 5 ShuffleBytes-ChangeBit-CopyPart-ShuffleBytes-CrossOver-
```

10. Running the Fuzzer on Fuzz_find_rows_like Function in Terminal



```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_find_rows_like.c -DFUZZING -o fuzz_find_rows_like
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_find_rows_like
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 338455086
INFO: Loaded 1 modules (343 inline 8-bit counters): 343 [0x59726d287ae0, 0x59726d287c37),
INFO: Loaded 1 PC tables (343 PCs): 343 [0x59726d287c38,0x59726d2891a8),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 31Mb
    NEW_FUNC[1/1]: 0x59726d23d378 in read_line_stdin /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql.c:32
#7 NEW cov: 67 ft: 68 corp: 2/5b lim: 4 exec/s: 7 rss: 32Mb L: 4/4 MS: 5 CrossOver-CrossOver-CrossOver-ChangeByte-CrossOver-NEW_FUNC[1/1]: 0x59726d23df08 in find_rows_by_substring /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql.c:419
#25 NEW cov: 115 ft: 117 corp: 3/9b lim: 4 exec/s: 25 rss: 32Mb L: 4/4 MS: 3 ChangeByte-CrossOver-ChangeBit-
#34 NEW cov: 116 ft: 155 corp: 4/13b lim: 4 exec/s: 34 rss: 32Mb L: 4/4 MS: 4 InsertByte-ChangeByte-InsertByte-InsertByte-
#40 NEW cov: 116 ft: 195 corp: 5/17b lim: 4 exec/s: 40 rss: 33Mb L: 4/4 MS: 1 ChangeBit-
#41 NEW cov: 116 ft: 246 corp: 6/21b lim: 4 exec/s: 41 rss: 33Mb L: 4/4 MS: 1 ChangeBit-
#57 NEW cov: 116 ft: 248 corp: 7/25b lim: 4 exec/s: 57 rss: 33Mb L: 4/4 MS: 1 ChangeBinInt-
#64 NEW cov: 116 ft: 263 corp: 8/29b lim: 4 exec/s: 64 rss: 33Mb L: 4/4 MS: 2 EraseBytes-InsertByte-
#68 NEW cov: 116 ft: 265 corp: 9/33b lim: 4 exec/s: 68 rss: 33Mb L: 4/4 MS: 4 ShuffleBytes-ChangeBinInt-CMP-ChangeBinInt- DE: "\012\000"-.
#80 NEW cov: 116 ft: 304 corp: 10/37b lim: 4 exec/s: 80 rss: 34Mb L: 4/4 MS: 2 EraseBytes-CrossOver-
#88 NEW cov: 117 ft: 337 corp: 11/41b lim: 4 exec/s: 88 rss: 34Mb L: 4/4 MS: 3 ChangeBit-CopyPart-PersAutoDict- DE: "\012\000"-.
#89 NEW cov: 117 ft: 339 corp: 12/45b lim: 4 exec/s: 89 rss: 34Mb L: 4/4 MS: 1 PersAutoDict- DE: "\012\000"-.
#97 NEW cov: 118 ft: 347 corp: 13/49b lim: 4 exec/s: 97 rss: 35Mb L: 4/4 MS: 3 CopyPart-PersAutoDict-CMP- DE: "\012\000"- "\377\377\377"-.
#100 NEW cov: 118 ft: 387 corp: 14/53b lim: 4 exec/s: 100 rss: 35Mb L: 4/4 MS: 3 CopyPart-EraseBytes-InsertByte-
#117 NEW cov: 118 ft: 389 corp: 15/57b lim: 4 exec/s: 117 rss: 36Mb L: 4/4 MS: 2 ShuffleBytes-ChangeByte-
#118 NEW cov: 118 ft: 408 corp: 16/61b lim: 4 exec/s: 118 rss: 36Mb L: 4/4 MS: 1 CrossOver-
#125 NEW cov: 118 ft: 432 corp: 17/65b lim: 4 exec/s: 125 rss: 36Mb L: 4/4 MS: 2 CopyPart-ChangeBit-
#136 NEW cov: 118 ft: 492 corp: 18/69b lim: 4 exec/s: 136 rss: 36Mb L: 4/4 MS: 1 ShuffleBytes-
#137 NEW cov: 118 ft: 500 corp: 19/73b lim: 4 exec/s: 137 rss: 37Mb L: 4/4 MS: 1 ChangeBinInt-
#157 NEW cov: 118 ft: 502 corp: 20/77b lim: 4 exec/s: 157 rss: 38Mb L: 4/4 MS: 5 ChangeByte-ChangeBinInt-ChangeBit-ChangeBit-CMP-
```

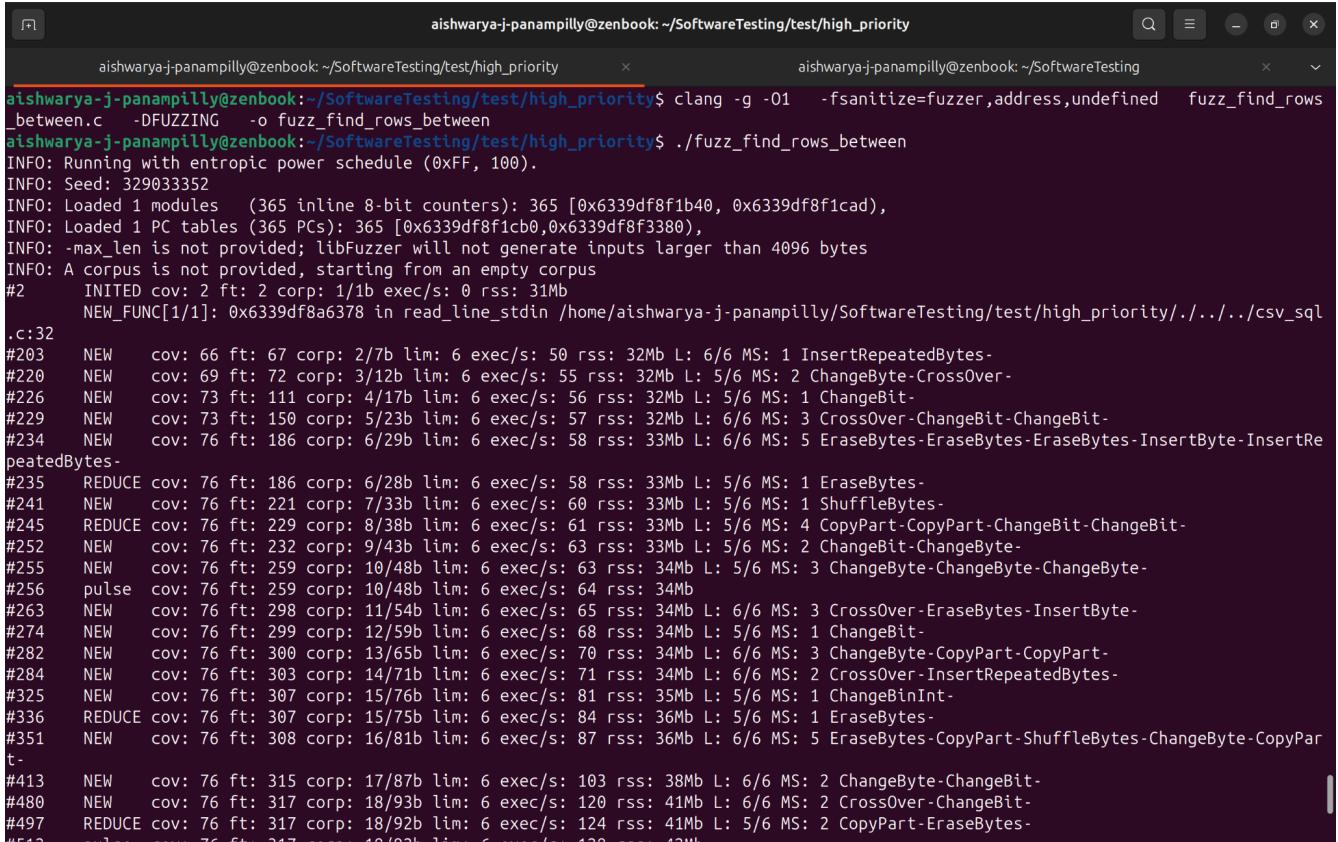
11. Running the Fuzzer on Fuzz_find_rows_in_range Function in Terminal

```
-o fuzz_find_rows_in_range
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_find_rows_in_range.c -DFUZZING -o fuzz_find_rows_in_range
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_find_rows_in_range
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 3015395441
INFO: Loaded 1 modules (314 inline 8-bit counters): 314 [0x5df90bcd39f0, 0x5df90bcd3b2a),
INFO: Loaded 1 PC tables (314 [0x5df90bcd3b30, 0x5df90bcd4ed0),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 31Mb
    NEW_FUNC[1/1]: 0x5df90bc8a838 in find_rows_in_range /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_
sql.c:447
#25 NEW cov: 88 ft: 89 corp: 2/5b lim: 4 exec/s: 25 rss: 32Mb L: 4/4 MS: 3 CrossOver-InsertByte-InsertByte-
#26 NEW cov: 88 ft: 115 corp: 3/9b lim: 4 exec/s: 26 rss: 32Mb L: 4/4 MS: 1 ShuffleBytes-
#33 NEW cov: 88 ft: 143 corp: 4/13b lim: 4 exec/s: 33 rss: 32Mb L: 4/4 MS: 2 InsertByte-CopyPart-
#34 NEW cov: 88 ft: 145 corp: 5/17b lim: 4 exec/s: 34 rss: 32Mb L: 4/4 MS: 1 ChangeByte-
#36 NEW cov: 88 ft: 199 corp: 6/21b lim: 4 exec/s: 36 rss: 32Mb L: 4/4 MS: 2 ChangeBinInt-ShuffleBytes-
#37 NEW cov: 95 ft: 206 corp: 7/25b lim: 4 exec/s: 37 rss: 32Mb L: 4/4 MS: 1 ChangeByte-
#43 NEW cov: 96 ft: 214 corp: 8/29b lim: 4 exec/s: 43 rss: 32Mb L: 4/4 MS: 1 CMP- DE: "\012\000"-_
#46 NEW cov: 97 ft: 250 corp: 9/33b lim: 4 exec/s: 46 rss: 33Mb L: 4/4 MS: 3 CopyPart-ShuffleBytes-ChangeBinInt-
#53 NEW cov: 97 ft: 283 corp: 10/37b lim: 4 exec/s: 53 rss: 33Mb L: 4/4 MS: 2 CopyPart-ChangeBinInt-
#58 NEW cov: 98 ft: 285 corp: 11/41b lim: 4 exec/s: 58 rss: 33Mb L: 4/4 MS: 5 EraseBytes-ChangeByte-CrossOver-CrossOver-InsertByte-
#60 NEW cov: 98 ft: 294 corp: 12/45b lim: 4 exec/s: 60 rss: 33Mb L: 4/4 MS: 2 ChangeByte-ShuffleBytes-
#67 NEW cov: 98 ft: 318 corp: 13/49b lim: 4 exec/s: 67 rss: 33Mb L: 4/4 MS: 2 ChangeByte-ShuffleBytes-
#85 NEW cov: 99 ft: 323 corp: 14/53b lim: 4 exec/s: 85 rss: 33Mb L: 4/4 MS: 3 EraseBytes-InsertByte-CrossOver-
#93 NEW cov: 99 ft: 325 corp: 15/57b lim: 4 exec/s: 93 rss: 33Mb L: 4/4 MS: 3 ChangeASCIIInt-ChangeBit-ChangeByte-
#95 NEW cov: 100 ft: 328 corp: 16/61b lim: 4 exec/s: 95 rss: 33Mb L: 4/4 MS: 2 ShuffleBytes-ChangeBinInt-
#96 NEW cov: 103 ft: 361 corp: 17/65b lim: 4 exec/s: 96 rss: 33Mb L: 4/4 MS: 1 ChangeBit-
#120 NEW cov: 103 ft: 365 corp: 18/69b lim: 4 exec/s: 120 rss: 34Mb L: 4/4 MS: 4 PersAutoDict-ChangeByte-CopyPart-ShuffleBytes- DE
: "\012\000"-_
#131 NEW cov: 103 ft: 366 corp: 19/73b lim: 4 exec/s: 131 rss: 34Mb L: 4/4 MS: 1 CrossOver-
#137 NEW cov: 103 ft: 390 corp: 20/77b lim: 4 exec/s: 137 rss: 34Mb L: 4/4 MS: 1 ChangeBit-
#139 NEW cov: 103 ft: 393 corp: 21/81b lim: 4 exec/s: 139 rss: 34Mb L: 4/4 MS: 2 EraseBytes-CopyPart-
```

12. Running the Fuzzer on Fuzz_find_rows_by_substring Function in Terminal

```
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_find_rows_by_substring.c -DFUZZING -o fuzz_find_rows_by_substring
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority$ ./fuzz_find_rows_by_substring
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 1740117849
INFO: Loaded 1 modules (298 inline 8-bit counters): 298 [0x56c00c01ba00, 0x56c00c01bb2a),
INFO: Loaded 1 PC tables (298 PCs): 298 [0x56c00c01bb30,0x56c00c01cdd0),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 31Mb
    NEW_FUNC[1/1]: 0x56c00bfbd1ef8 in find_rows_by_substring /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../
csv_sql.c:419
#16 NEW cov: 85 ft: 86 corp: 2/4b lim: 4 exec/s: 0 rss: 32Mb L: 3/3 MS: 4 ChangeBit-ChangeByte-CrossOver-InsertByte-
#17 NEW cov: 85 ft: 126 corp: 3/8b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 1 CrossOver-
#19 NEW cov: 85 ft: 153 corp: 4/12b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 2 CrossOver-ChangeByte-
#28 NEW cov: 85 ft: 154 corp: 5/15b lim: 4 exec/s: 0 rss: 32Mb L: 3/4 MS: 4 ShuffleBytes-InsertByte-CopyPart-CopyPart-
#30 NEW cov: 85 ft: 211 corp: 6/18b lim: 4 exec/s: 0 rss: 32Mb L: 3/4 MS: 2 ShuffleBytes-ChangeBinInt-
#36 NEW cov: 86 ft: 265 corp: 7/22b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 1 ChangeBinInt-
#39 NEW cov: 86 ft: 266 corp: 8/26b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 3 CopyPart-CopyPart-ChangeByte-
#40 NEW cov: 86 ft: 296 corp: 9/30b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 1 ChangeBinInt-
#41 NEW cov: 86 ft: 308 corp: 10/33b lim: 4 exec/s: 0 rss: 32Mb L: 3/4 MS: 1 ShuffleBytes-
#42 NEW cov: 86 ft: 335 corp: 11/37b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 InsertByte-
#49 NEW cov: 86 ft: 337 corp: 12/40b lim: 4 exec/s: 0 rss: 33Mb L: 3/4 MS: 2 EraseBytes-InsertByte-
#50 NEW cov: 86 ft: 339 corp: 13/44b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 1 CrossOver-
#53 NEW cov: 86 ft: 362 corp: 14/47b lim: 4 exec/s: 0 rss: 33Mb L: 3/4 MS: 3 EraseBytes-ChangeBinInt-InsertByte-
#55 NEW cov: 86 ft: 369 corp: 15/50b lim: 4 exec/s: 0 rss: 33Mb L: 3/4 MS: 2 CopyPart-ChangeBit-
#56 NEW cov: 86 ft: 373 corp: 16/53b lim: 4 exec/s: 0 rss: 33Mb L: 3/4 MS: 1 ChangeBit-
#70 NEW cov: 87 ft: 374 corp: 17/56b lim: 4 exec/s: 0 rss: 33Mb L: 3/4 MS: 4 EraseBytes-ChangeBit-ShuffleBytes-InsertByte-
#78 NEW cov: 88 ft: 403 corp: 18/60b lim: 4 exec/s: 0 rss: 33Mb L: 4/4 MS: 3 CopyPart-ChangeBinInt-ChangeBinInt-
#89 NEW cov: 88 ft: 412 corp: 19/64b lim: 4 exec/s: 0 rss: 34Mb L: 4/4 MS: 1 InsertByte-
#91 NEW cov: 88 ft: 434 corp: 20/68b lim: 4 exec/s: 0 rss: 34Mb L: 4/4 MS: 2 InsertByte-ChangeBit-
#92 NEW cov: 88 ft: 462 corp: 21/71b lim: 4 exec/s: 0 rss: 34Mb L: 3/4 MS: 1 ChangeBinInt-
#114 NEW cov: 88 ft: 485 corp: 22/75b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 2 CopyPart-ChangeBit-
#129 NEW cov: 88 ft: 515 corp: 23/79b lim: 4 exec/s: 0 rss: 35Mb L: 4/4 MS: 5 ShuffleBytes-CrossOver-CrossOver-ChangeBit-ChangeBin-
#142 NEW cov: 88 ft: 515 corp: 24/82b lim: 4 exec/s: 0 rss: 35Mb L: 3/4 MS: 1 EraseBytes-CMP-ChangeBit-ChangeBit-Tet-DE-III-2001/200
```

13. Running the Fuzzer on Fuzz_find_rows_between Function in Terminal



```
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_find_rows_between.c -DFUZZING -o fuzz_find_rows_between
aishwarya-j-panampilly@zenbook: ~/SoftwareTesting/test/high_priority$ ./fuzz_find_rows_between
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 329033352
INFO: Loaded 1 modules (365 inline 8-bit counters): 365 [0x6339df8f1b40, 0x6339df8f1cad),
INFO: Loaded 1 PC tables (365 PCs): 365 [0x6339df8f1cb0,0x6339df8f3380),
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/1b exec/s: 0 rss: 31Mb
NEW_FUNC[1/1]: 0x6339df8a6378 in read_line_stdin /home/aishwarya-j-panampilly/SoftwareTesting/test/high_priority/../../../../csv_sql.c:32
#203 NEW cov: 66 ft: 67 corp: 2/7b lim: 6 exec/s: 50 rss: 32Mb L: 6/6 MS: 1 InsertRepeatedBytes-
#220 NEW cov: 69 ft: 72 corp: 3/12b lim: 6 exec/s: 55 rss: 32Mb L: 5/6 MS: 2 ChangeByte-CrossOver-
#226 NEW cov: 73 ft: 111 corp: 4/17b lim: 6 exec/s: 56 rss: 32Mb L: 5/6 MS: 1 ChangeBit-
#229 NEW cov: 73 ft: 150 corp: 5/23b lim: 6 exec/s: 57 rss: 32Mb L: 6/6 MS: 3 CrossOver-ChangeBit-ChangeBit-
#234 NEW cov: 76 ft: 186 corp: 6/29b lim: 6 exec/s: 58 rss: 33Mb L: 6/6 MS: 5 EraseBytes-EraseBytes-EraseBytes-InsertByte-InsertRepeatedBytes-
#235 REDUCE cov: 76 ft: 186 corp: 6/28b lim: 6 exec/s: 58 rss: 33Mb L: 5/6 MS: 1 EraseBytes-
#241 NEW cov: 76 ft: 221 corp: 7/33b lim: 6 exec/s: 60 rss: 33Mb L: 5/6 MS: 1 ShuffleBytes-
#245 REDUCE cov: 76 ft: 229 corp: 8/38b lim: 6 exec/s: 61 rss: 33Mb L: 5/6 MS: 4 CopyPart-CopyPart-ChangeBit-ChangeBit-
#252 NEW cov: 76 ft: 232 corp: 9/43b lim: 6 exec/s: 63 rss: 33Mb L: 5/6 MS: 2 ChangeBit-ChangeByte-
#255 NEW cov: 76 ft: 259 corp: 10/48b lim: 6 exec/s: 63 rss: 34Mb L: 5/6 MS: 3 ChangeByte-ChangeByte-ChangeByte-
#256 pulse cov: 76 ft: 259 corp: 10/48b lim: 6 exec/s: 64 rss: 34Mb
#263 NEW cov: 76 ft: 298 corp: 11/54b lim: 6 exec/s: 65 rss: 34Mb L: 6/6 MS: 3 CrossOver-EraseBytes-InsertByte-
#274 NEW cov: 76 ft: 299 corp: 12/59b lim: 6 exec/s: 68 rss: 34Mb L: 5/6 MS: 1 ChangeBit-
#282 NEW cov: 76 ft: 300 corp: 13/65b lim: 6 exec/s: 70 rss: 34Mb L: 6/6 MS: 3 ChangeByte-CopyPart-CopyPart-
#284 NEW cov: 76 ft: 303 corp: 14/71b lim: 6 exec/s: 71 rss: 34Mb L: 6/6 MS: 2 CrossOver-InsertRepeatedBytes-
#325 NEW cov: 76 ft: 307 corp: 15/76b lim: 6 exec/s: 81 rss: 35Mb L: 5/6 MS: 1 ChangeBinInt-
#336 REDUCE cov: 76 ft: 307 corp: 15/75b lim: 6 exec/s: 84 rss: 36Mb L: 5/6 MS: 1 EraseBytes-
#351 NEW cov: 76 ft: 308 corp: 16/81b lim: 6 exec/s: 87 rss: 36Mb L: 6/6 MS: 5 EraseBytes-CopyPart-ShuffleBytes-ChangeByte-CopyPart-
#413 NEW cov: 76 ft: 315 corp: 17/87b lim: 6 exec/s: 103 rss: 38Mb L: 6/6 MS: 2 ChangeByte-ChangeBit-
#480 NEW cov: 76 ft: 317 corp: 18/93b lim: 6 exec/s: 120 rss: 41Mb L: 6/6 MS: 2 CrossOver-ChangeBit-
#497 REDUCE cov: 76 ft: 317 corp: 18/92b lim: 6 exec/s: 124 rss: 41Mb L: 5/6 MS: 2 CopyPart-EraseBytes-
#542 76 ft: 317 corp: 18/92b lim: 6 exec/s: 124 rss: 41Mb L: 5/6 MS: 2 CopyPart-EraseBytes-
```

14. Running the Fuzzer on Fuzz_compare_rows_by_columns Function in Terminal

```
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ clang -g -O1 -fsanitize=fuzzer,address,undefined fuzz_compare_rows_by_col
aishwarya-j-panampilly@zenbook:~/SoftwareTesting/test/high_priority$ ./fuzz_compare_rows_by_col
INFO: Running with entropic power schedule (0xFF, 100).
INFO: Seed: 1121085533
INFO: Loaded 1 modules (306 inline 8-bit counters): 306 [0x5b75f0b469b0, 0x5b75f0b46ae2],
INFO: Loaded 1 PC tables (306 PCs): 306 [0x5b75f0b46ae8,0x5b75f0b47e08],
INFO: -max_len is not provided; libFuzzer will not generate inputs larger than 4096 bytes
INFO: A corpus is not provided, starting from an empty corpus
#2 INITED cov: 2 ft: 2 corp: 1/b exec/s: 0 rss: 31Mb
#21 NEW cov: 56 ft: 56 corp: 2/5b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 4 CopyPart-ChangeByte-ChangeByte-CopyPart-
#25 NEW cov: 57 ft: 84 corp: 3/9b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 4 CopyPart-InsertByte-InsertByte-CopyPart-
#118 NEW cov: 57 ft: 88 corp: 4/13b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 3 ChangeByte-CopyPart-ChangeBinInt-
#119 NEW cov: 59 ft: 90 corp: 5/17b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 1 ChangeByte-
#126 NEW cov: 59 ft: 115 corp: 6/21b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 2 ChangeBit-ShuffleBytes-
#129 NEW cov: 60 ft: 139 corp: 7/25b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 3 CopyPart-ChangeBinInt-ChangeBinInt-
#216 NEW cov: 62 ft: 141 corp: 8/29b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 2 CrossOver-ChangeBinInt-
#227 NEW cov: 64 ft: 143 corp: 9/33b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 1 ShuffleBytes-
#286 NEW cov: 66 ft: 145 corp: 10/37b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 4 CopyPart-CopyPart-ChangeBit-ChangeASCIIInt-
#401 NEW cov: 66 ft: 156 corp: 11/41b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 5 ChangeByte-ShuffleBytes-ChangeBinInt-ChangeBit-Shuff
leBytes-
#484 NEW cov: 67 ft: 157 corp: 12/45b lim: 4 exec/s: 0 rss: 32Mb L: 4/4 MS: 3 ShuffleBytes-ChangeASCIIInt-CopyPart-
#697 NEW cov: 68 ft: 158 corp: 13/51b lim: 6 exec/s: 0 rss: 33Mb L: 6/6 MS: 3 InsertByte-ShuffleBytes-InsertByte-
#704 NEW cov: 68 ft: 159 corp: 14/57b lim: 6 exec/s: 0 rss: 33Mb L: 6/6 MS: 2 CopyPart-CopyPart-
#771 NEW cov: 68 ft: 182 corp: 15/62b lim: 6 exec/s: 0 rss: 33Mb L: 5/6 MS: 2 InsertByte-ChangeBinInt-
#827 REDUCE cov: 68 ft: 182 corp: 15/61b lim: 6 exec/s: 0 rss: 33Mb L: 4/6 MS: 1 EraseBytes-
#847 NEW cov: 68 ft: 183 corp: 16/67b lim: 6 exec/s: 0 rss: 33Mb L: 6/6 MS: 5 EraseBytes-InsertRepeatedBytes-ShuffleBytes-ChangeBi
nInt-InsertByte-
#1057 NEW cov: 68 ft: 184 corp: 17/75b lim: 8 exec/s: 0 rss: 33Mb L: 8/8 MS: 5 ShuffleBytes-CMP-ChangeBit-InsertByte-CrossOver- DE:
"\n\276"-#
#1123 NEW cov: 68 ft: 185 corp: 18/83b lim: 8 exec/s: 0 rss: 33Mb L: 8/8 MS: 1 InsertRepeatedBytes-
#1272 NEW cov: 69 ft: 186 corp: 19/90b lim: 8 exec/s: 0 rss: 33Mb L: 7/8 MS: 4 ChangeByte-ChangeBinInt-EraseBytes-InsertRepeatedByt
es-
#1598 NEW cov: 69 ft: 187 corp: 20/100b lim: 11 exec/s: 0 rss: 33Mb L: 10/10 MS: 1 PersAutoDict- DE: "\n\276"-#
#1945 NEW cov: 69 ft: 188 corp: 21/114b lim: 14 exec/s: 0 rss: 34Mb L: 14/14 MS: 2 PersAutoDict-InsertRepeatedBytes- DE: "\n\276"-#
#2100 NEW cov: 69 ft: 189 corp: 22/126b lim: 15 exec/s: 0 rss: 35Mb L: 22/22 MS: 5 PersAutoDict-InsertRepeatedBytes- DE: "\n\276"-#
```