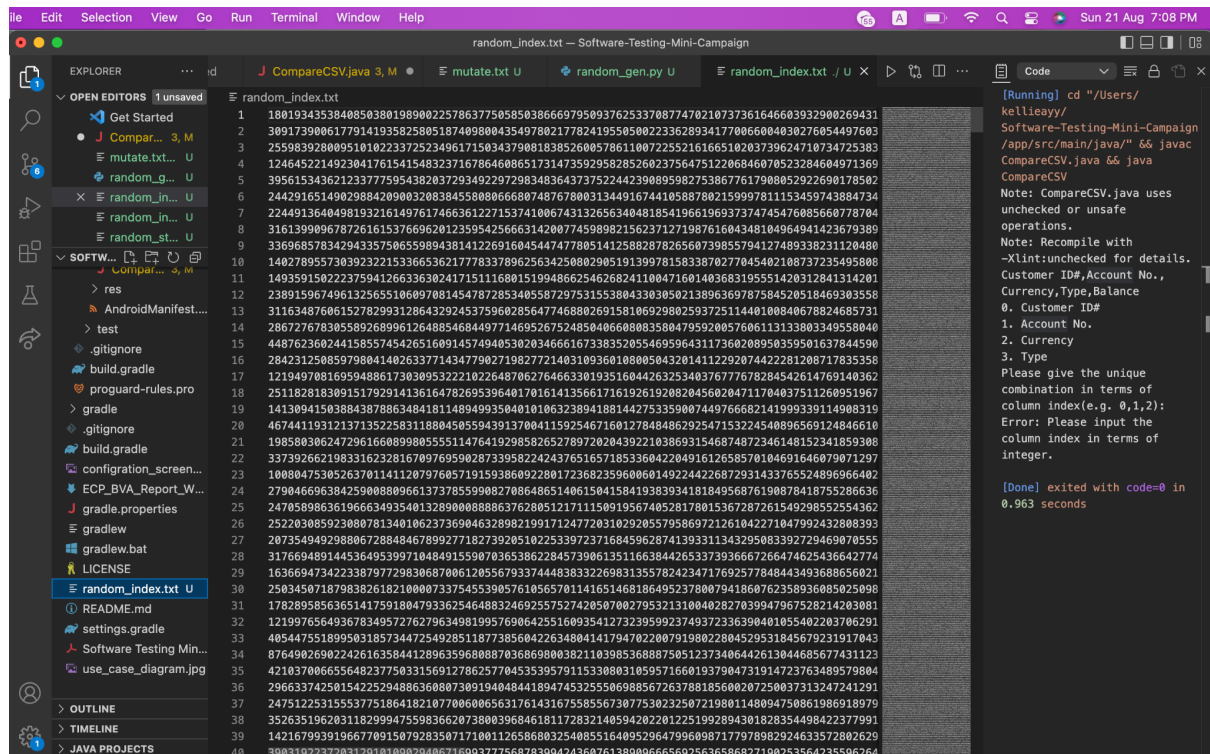


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Group Member: Zhuoran

Regarding her implementation, her user input for the combination of headers required indexes which were integers. Hence, I decided to modify my fuzzer code in which I generate random long integers instead.

One instance of those random long integers are as shown:



The screenshot shows an IDE window titled "random\_index.txt - Software-Testing-Mini-Campaign". The file contains a single line of 48 random long integers, each 18 digits long, separated by spaces. The integers are: 180193435384085038019890022578637750585038666979509376253370877470210737361646603932900269431, 309173900617791419358258051874098004354978021778241955050022336289341770066004030276054497603, 255983920009510102233725234961715034379081838526005786110072255216166510203739624710734725383, 12465422149230417615415483237167864608651731473592958285260237564751220684607052328464971369, 39561534362123377595438203729349229729834836437375224423908959827538677617908052922690178502, 244291651490298842090032083845588086680748780031344016744105887802159997811153459743884734, 224491364049819321614976174663612271537410067431326563404818541966196937374745476085660778704, 3161399096787261615376696201235954256631420077459898215623712719876160438104964941423679389, 336968578342943357506559894381412269160454474778051412588287826560739855794127489338231120480, 12467276783055892689612648054684497714695267524850406600803580479592005760611313380334958040, 14935915022237594126633630241715116801519948662546268241100471601403683195551420312841314201, 238915967496132565510609708145478728534055872975315538043303050213896369787584526518469303558, 311634876061527829931286432924537596028564774688026915810692980259372511440100846678824685731, 480726360244158557454263714347790271982772140310936018800584320411292074422281208717835358, 2842312508597980414026337714347790271982772140310936018800584320411292074422281208717835358, 1210497081609548861730309532221022648706274663301935160442632540376777678284542614769140362, 251182818309151792914136164782695396401701614135661716192610208204560284711704037511260951067, 1413094150388438788634841811480949358401010632389418814427533900744976668214099330114080310, 46744119312137135258311880450559439137004115925467160127048486292547153224540896560124846610, 198580362472961660899055511476419209582652789720204392210306931646074872346148152341859308, 337392662198331623281670976959028733858224243765165718533604220491612658570104691646079071297, 1008047530526370114112079760571915938609228017236823596006014922426872931433765524896966402, 279046696384259008809661373785599082708648651406150415841938393418184956876190878418755286636, 2470589863619666349354813289008888637628051217111509195674052817801536728726154929855254362, 252203085923080781340186237369046328982199171247720310292055795869721261042271047992432808393, 20735494298806728848467899277182739205102253397237168459628741393311343295083392729469070555, 317669489144536495399710484915590783653862284573906135116638442653373936667266474625436642774, 1636694734223387977298308670061205567933744838332269831355782423471769257784843493688656021, 250345071879838261821000733754553905716105657011416514681864952378007941860762358936085025098, 178289585636514175918047933625464883246925575274205070027953213100402827039947967528214203081, 12199765649367834957276279634981995769064255160935412732395923749372336390401055402283706291, 405447551899503185734472549285118773856042263480414179470220079198022804529531845679231917043, 876490269022426163584412896359680887036869800382110398536888750512373406442613044685677431123, 421037006655648237750331569127862577045353957911533080318595716601937904731914723763489579804, 2966337425015425294886360807309194048441894745325506988567263788185600207250037313247241291, 2475122531553775186418210770060065631761431675855673077530232507219801148094750861986918979, 3526351962031182999475598366207380039684618117283214059420220122519928943081828354498422377991, 142167993919667709150792835071710011265868032540855164095296479960987177978982924633572802629, 390319223720312910100029406716993777568783994243607613890966656925636586827190253564235596264

I then modified the Scanner used in her code to accept this text file instead. The output from running the code afterwards showed an error message as shown in the image above.

Since her code was working, I also tried to feed the Scanner with random strings instead to monitor its behaviour.

An example of the random strings and the output from running the code are as shown:



**Group Member: Namitha**

With the intent to check if my current fuzzing code would disrupt the behaviour of code through her user input, I checked through her code to check for the segment on user input so as to insert my text files there. However, I was unable to find any section that asked for user input hence I was not able to do the fuzzing here.