

## Bash-debugging

this code wrote by :

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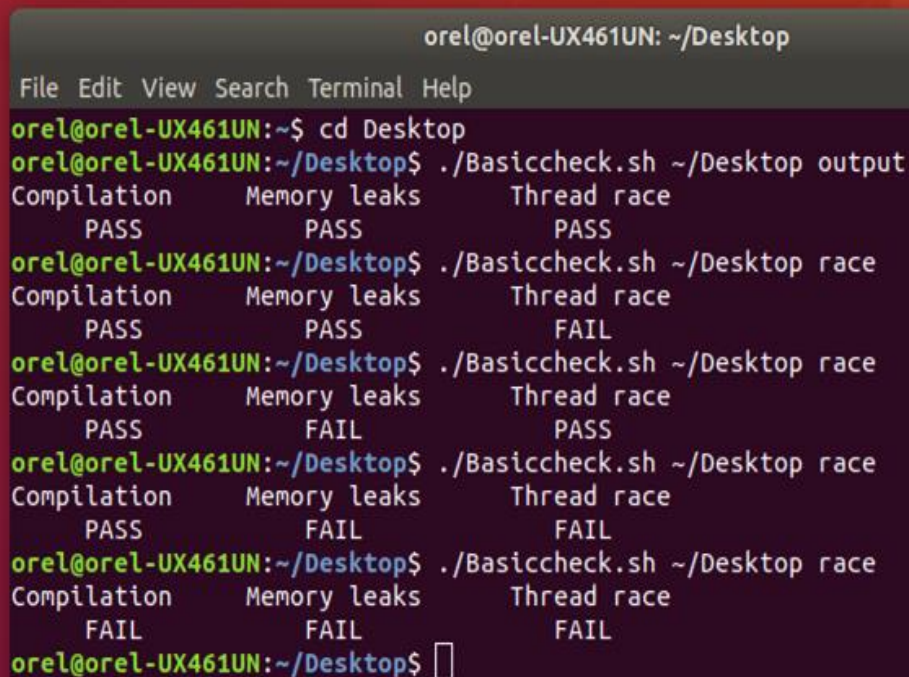
this code will help us to debugging our project, this code that use valgrind's functions will help us know if we have a compilation, memory leaks, or thread race problem.

To read more about valgrind: <http://valgrind.org/docs/manual/quick-start.html>

To read more about thread race: <https://thispointer.com/c11-multithreading-part-4-data-sharing-and-race-conditions/>

To read more about memory leaks:

<https://ptolemy.berkeley.edu/ptolemyclassic/almagest/docs/prog/html/ptlang.doc7.html>



```
orel@orel-UX461UN: ~/Desktop
File Edit View Search Terminal Help
orel@orel-UX461UN:~$ cd Desktop
orel@orel-UX461UN:~/Desktop$ ./Basiccheck.sh ~/Desktop output
Compilation      Memory leaks      Thread race
PASS             PASS             PASS
orel@orel-UX461UN:~/Desktop$ ./Basiccheck.sh ~/Desktop race
Compilation      Memory leaks      Thread race
PASS             PASS             FAIL
orel@orel-UX461UN:~/Desktop$ ./Basiccheck.sh ~/Desktop race
Compilation      Memory leaks      Thread race
PASS             FAIL             PASS
orel@orel-UX461UN:~/Desktop$ ./Basiccheck.sh ~/Desktop race
Compilation      Memory leaks      Thread race
PASS             FAIL             FAIL
orel@orel-UX461UN:~/Desktop$ ./Basiccheck.sh ~/Desktop race
Compilation      Memory leaks      Thread race
FAIL             FAIL             FAIL
orel@orel-UX461UN:~/Desktop$
```