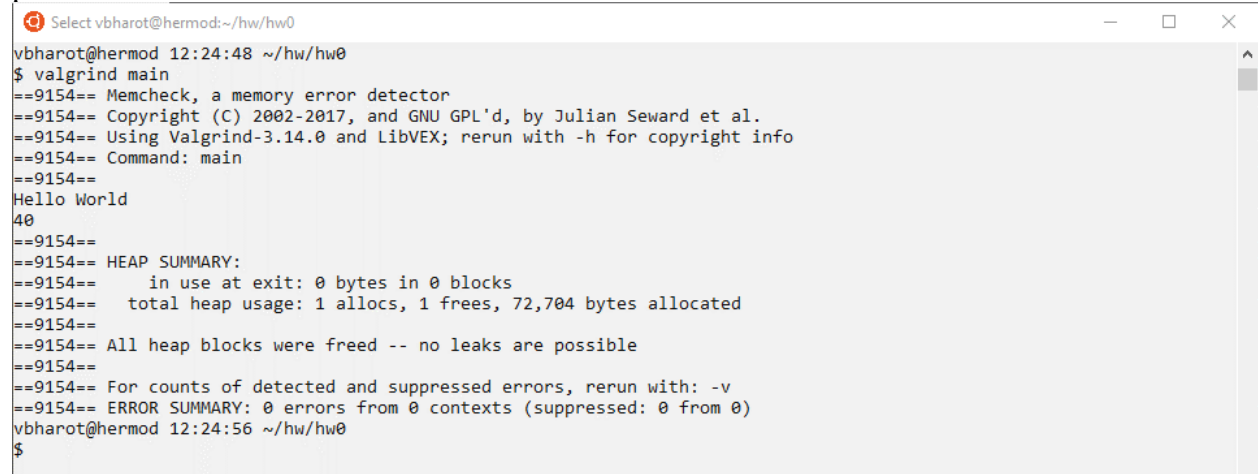


=====start of the write-up=====

problem 1

A terminal window titled "Select vbharot@hermod:~/hw/hw0" with standard window controls. The terminal shows the execution of a program with valgrind. The output includes the valgrind version (3.14.0), copyright information, the command "main", the program's output "Hello World", and a heap summary indicating 1 allocation and 1 free, with 72,704 bytes allocated. The error summary shows 0 errors.

```
vbharot@hermod 12:24:48 ~/hw/hw0
$ valgrind main
==9154== Memcheck, a memory error detector
==9154== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.
==9154== Using Valgrind-3.14.0 and LibVEX; rerun with -h for copyright info
==9154== Command: main
==9154==
Hello World
40
==9154==
==9154== HEAP SUMMARY:
==9154==   in use at exit: 0 bytes in 0 blocks
==9154==   total heap usage: 1 allocs, 1 frees, 72,704 bytes allocated
==9154==
==9154== All heap blocks were freed -- no leaks are possible
==9154==
==9154== For counts of detected and suppressed errors, rerun with: -v
==9154== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0)
vbharot@hermod 12:24:56 ~/hw/hw0
$
```

=====end of the write-up=====