Configure the core dump settings:
1) ulimit -c => should result 0 menas disbale then enable/activate it using below command
      ulimit -c unlimited
2) Now build executable using -g symbol to add debug symbols.
3) when you run executable, it will crash the executable and core dump will be generated.
4) Check the generated core dump in ubuntu: **/var/lib/apport/coredump**

Now debug core dump:
gdb **application exe(debug)** core file
ex: gdb ./app corefile

gdb(where)
gdb info locals
gdb info threads
gdb info registers
gdb list
gdb bt full

code for crashing application:
```
void freeSomething(void *ptr)
{
   free(ptr);
}

int main()
{
        int nTmp = 5;
        int *ptrNull = &nTmp;
        freeSomething(ptrNull);
}
```