HDD check for badblocks

      HDD checking should be done occasionally. This example performs <u>DESTRUCTIVE WRITE TO DISK</u>. Thus disk should be always emptied, before check. Test lasts few hours per 1TiB.

1) make sure of device name
      #lsblk
2) check device sector size
      #lsblk -o NAME,PHY-SeC
3) test **empty drive** with 1GiB buffer (default blocksize is 512B, 1GiB/512B=2097152 allocated buffer)
      #sudo badblocks -svw -b 512 -c 2097152 /dev/sdX > badsectors.txt
4) check SMART disk status
      #sudo smartctl -H /dev/sdX
5a) exclude badblocks from ext2/3/4 file system:
      #sudo e2fsck -l badsectors.txt /dev/sdX
5b) exclude badblocks from other file systems:
      #sudo fsck -l badsectors.txt /dev/sdX