**Notes:**

* file=/home/test/Desktop/file.txt  
  trap “rm -f $file” 0 2 15 #15 is a termination signal  
  echo “pid is $$”  
  while (( COUNT < 10 ))  
  do  
   sleep 10  
   (( COUNT ++ ))  
   echo $COUNT  
  done  
  exit 0
* Bash includes extensive debug utilities. Whenever you make a syntax error (for example forgetting one parentheses in the while loop), you can use the -x option to debug a script
* bash -x script.sh will show you every line of code whenever it’s processed and run in real time. Anything that has a plus symbol is a line that is successfully run.

To implement this in the actual script, include a line after your hashback #!/bin/bash -x

Or write a line set -x, which will start debugging after this line is written. If you want to stop debugging after a certain point, insert a line set +x