Answer's / Explanations'

1. assert spam < 0, 'Spam is negative'
2. assert eggs.lower() != bacon.lower(), 'Not equal'
3. assert False, 'Always Throw'
4. import logging
   logging.basicConfig(level=logging.DEBUG, format=' %(asctime)s - %(levelname)s - %(message)s')
5. import logging
   logging.basicConfig(filename = 'programLog.txt', level=logging.DEBUG, format=' %(asctime)s - %(levelname)s - %(message)s')
6. Error, Debug, Critical, Info, Warning.
7. Logging.disable(logging.CRITICAL).
8. Logging messages can help the developer to check the extreme end cases of the program for not making it to crash. It can tell the information about the time as well.
9. Step Out will execute the remaining lines of code in the function and will go out of the function.
   Step In will go inside the function for further steps.
   Step Over will execute the function with out going inside of it.
10. At the end or at another break point after it.
11. Breakpoint will help is in stopping the execution when the debugger reaches a line which is having a break point. This will ensure the flow of the program and changes in the program very precisely.