

JAVA ASSIGNMENT 3

1. Define exception. How an exception can be handled in Java? And also List the benefits of Exception Handling.
2. a) What are try, catch, and finally keywords in java? Explain it with an example.
b) Differentiate between Checked and Unchecked exceptions?
3. Explain the usage of throw and throws keyword in Exception Handling.
4. a) Explain in detail the process of creating thread with an example.
b) What is a thread? Explain the states of a thread with a neat diagram. (Thread Life Cycle)
5. a) Discuss about producer consumer pattern with an example.
b) Distinguish between multi-tasking and multi-threading?
c) How do we set priorities for threads? Explain it.