Assignment 1: Describe the importance of recovery! Which system components are needed for the recovery.

Assignment 2: In the following example, what does the recovery manager need to ensure regarding the persistency of modifications?

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T1  T2  T3  T4  T5
Zeit
```

Assignment 3: Assign the following problems to the given error classes and explain these classes:

1. operating system error
2. Head-Crashes
3. transaction abort by the system

Assignment 4: Consider the errors of the previous assignment. Which recovery classes are needed to correct these errors?

Assignment 5: Explain the concept and structure of an log.

Assignment 6: Explain the different logging methods. Discuss the advantages and disadvantages of each method. Explain the concept of WAL.

Assignment 7: Explain the concept of a savepoint. Discuss the different types of savepoints.