Auto Grade Test

- 1. What should the return type of method where there is no return value?
 - 1. Null
 - 2. Empty collection
 - 3. Singleton collection
 - 4. Empty String



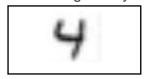
- 2. What data structure should be used when number of elements is fixed?
 - 1. Array
 - 2. Array list
 - 3. Vector
 - 4. Set



- 3. What causes the program to exit abruptly and hence its usage should be minimalistic?
 - 1. Try
 - 2. Finally
 - 3. Exit
 - 4. Catch



- 4. Which one of the following causes memory leak?
 - 1. Release database connection when querying is complete
 - 2. Use Finally block as much as possible
 - 3. Release instances stored in static tables
 - 4. Not using Finally block often

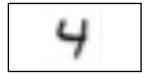


- 5. Which of the below is true about java class structure?
 - 1. The class name should start with lowercase
 - 2. The class should have thousands of lines of code
 - 3. The class should only contain those attribute and functionality which it should; hence keeping it short
 - 4. The class attributes and methods should be public



Auto Grade Test

- 6. Which of the following condition is required for a deadlock to be possible?
 - 1. mutual exclusion
 - 2. a process may hold allocated resources while awaiting assignment of other resources
 - 3. no resource can be forcibly removed from a process holding it
 - 4. all of the mentioned



- 7. Which scheduling algorithm allocates the CPU first to the process that requests the CPU first?
 - 1. first-come, first-served scheduling
 - 2. shortest job scheduling
 - 3. priority scheduling
 - 4. none of the mentioned



- 8. What is the ready state of a process?
 - 1. when process is scheduled to run after some execution
 - 2. when process is unable to run until some task has been completed
 - 3. when process is using the CPU
 - 4. none of the mentioned



- 9. When will file system fragmentation occur?
 - 1. unused space or single file are not contiguous
 - 2. used space is not contiguous
 - 3. unused space is non-contiguous
 - 4. multiple files are non-contiguous



- 10. What are the common security threats?
 - 1. File Shredding
 - 2. File sharing and permission
 - 3. File corrupting
 - 4. File integrity



Auto Grade Test

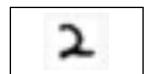
- 11. Which one of the following is a set of one or more attributes taken collectively to uniquely identify a record?
 - 1. Candidate key
 - 2. Sub key
 - 3. Super key
 - 4. Foreign key



- 12. '___' matches any string of _____ three characters. '___ %' matches any string of at three characters.
 - 1. Atleast, Exactly
 - 2. Exactly, Atleast
 - 3. Atleast, All
 - 4. All, Exactly



- 13. The attribute name could be structured as an attribute consisting of first name, middle initial, and last name. This type of attribute is called
 - 1. Simple attribute
 - 2. Composite attribute
 - 3. Multivalued attribute
 - 4. Derived attribute



- 14. Entity is a _____
 - 1. Object of relation
 - 2. Present working model
 - 3. Thing in real world
 - 4. Model of relation



- 15. Which is a bottom-up approach to database design that design by examining the relationship between attributes:
 - 1. Functional dependency
 - 2. Database modeling
 - 3. Normalization
 - 4. Decomposition

