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1. The \_\_\_\_\_\_deals with active objects instead of passive objects
2. Procedural paradigm
3. Functional paradigm
4. Declarative paradigm
5. Object-oriented paradigm
6. The format of an IPv4 address is referred to as \_\_\_\_\_.
7. Dotted-binary notation
8. Dotted-octal notation
9. Dottod decimal notation
10. Dotted-hexadecimal notation
11. A register in a CPU can hold \_\_\_\_\_.
12. Only data
13. Only instructions
14. Only program countor values
15. Data, instruction, or program counter values.
16. The \_\_\_\_\_ is a protocol that is used to define how the client-server programs can be written pages from the Web.
17. FTP
18. SMTP
19. TELNET
20. HTTP
21. A program becomes a becomes a program again. from the moment it is selected for execution until it has finished.
22. Program
23. Job
24. Process
25. Task.
26. In \_\_\_\_\_\_ more than one program is in memory at the same time and they are executed concurrently by rapidly switching the CPU between the programs.
27. Monoprogramming
28. Multiprogramming
29. Microprogramming
30. Operatina system
31. A billionth of a second is defined as a:
32. Millisecond
33. Microsecond
34. Nanosecond
35. Picoseconds
36. None of the others
37. Which is another name for functional language?
38. Machine
39. Application
40. language
41. Low-level language
42. High-level language
43. None of the others
44. The role of the physical layer is to transfer the bits received from the data-link layer and convert \_\_\_\_\_\_ for transmission.
45. Analog signals
46. Electromagnetic signals
47. Digital signals
48. Electronic signals.
49. There are several methods for handling address collisions and each of them\_\_\_\_\_\_\_\_ of the has???....
50. Independent
51. Dependent
52. Based on
53. Related
54. \_\_\_\_\_\_ is an ordered set of unambiguous steps that produces a result and terminates in a finite time.
55. A construct
56. A recursion
57. An iteration
58. An algorithm
59. In a three-level DBMS architecture, the layer that interacts directly with the hardware is the \_\_\_\_\_\_ level
60. External
61. Conceptual
62. Internal
63. Physical
64. Which of the following is taking the one's complement of of the integer 00110110?
65. 11001100
66. 11001111
67. 11001001
68. 11100110
69. A \_\_\_\_\_\_ uses the principle of logical reasoning to answer queries. It is based on formal logic defined by Greek mathematicians and later developed into firstorder predicate calculus
70. Procedural paradigm
71. Functional paradigm
72. Declarative paradigm
73. Object-oriented paradigm
74. In the data link layer, a Bluetooth LAN is a (an) \_\_\_\_\_\_\_\_\_ network
75. Wired WANs
76. Ad hoc
77. Dial-up service
78. Extended Service Set
79. \_\_\_\_\_\_\_\_\_ is the breaking up of a large project into smaller parts.
80. Coupling
81. Incrementing
82. Obsolescence
83. Modularization
84. The ability of a computer system to remain operational despite various failures is
85. Relation
86. Schema
87. Resilience
88. Versatility
89. None of the others
90. Any device that performs signal conversion is
91. Modulator
92. Modem
93. Keyboard
94. Plotter
95. None of the others
96. Defining the users, requirements, and methods is part of the\_\_\_\_\_\_ phase.
97. Analysis
98. Design
99. Implementation
100. Testing
101. In a \_\_\_\_\_\_\_\_\_ the project team needs to choose a language or a set of languages from among the procedural languages
102. Analysis phase
103. Design phase
104. Implementation phase
105. Testing phase
106. \_\_\_\_\_\_\_\_\_\_\_\_ can be threatened by secunty attacks.
107. Confidentiality, cryptography, nonrepudiation
108. Confidentiality, encryption, decryption
109. Confidentiality, integrity, availability
110. Confidentiality, denial of service, masquerading
111. \_ protocol (s) is one of the protocols in the transport layer.
112. Only TCP
113. Only UDP
114. Only SCTP
115. TCP, UDP, and SCTP
116. Static RAM (SRAM) technology uses \_\_\_\_\_ The gates hold their state 0 or 1.
117. Ultraviolet light
118. Electronic impulses
119. Capacitors
120. Flip-flop gates
121. To search for elements, we can use\_\_\_\_\_\_\_\_\_ on sorted arrays that can help to decrease time complexity
122. Sequential search
123. Insertion sort
124. Selection sort
125. Binary search
126. C language is a(n) \_\_\_\_\_\_\_\_\_\_ language.
127. Procedural
128. Functional
129. Declarative
130. Object-oriented
131. \_\_\_\_\_\_\_ is a unit that can add two inputs.
132. An ALU
133. A register
134. A control unit
135. A tape drive
136. The number of bits per sample is sometimes referred to as the \_
137. Quantization
138. Sampling rate
139. Encoding
140. Bit depth
141. The maximum value of an octal integer with K=2 digits is Nmax =\_\_\_\_\_\_\_\_\_\_
142. 63
143. 64
144. 65
145. 66
146. None of the others
147. A company's product or service is identified as a\_\_\_\_\_\_\_\_\_\_\_\_
148. Trade mark
149. Trade secret
150. Patent
151. Copyright
152. Which of the following representations is erroneous?
153. (10211)2
154. (342)8
155. (EEE)16
156. 145
157. What is method in black-box testing which tests are designed to include representatives of boundary values in a range?
158. Boundary-value testing
159. Random testing
160. Exhaustive testing
161. Data flow testing
162. \_\_\_\_\_\_\_\_\_\_\_ is a basic algorithm that adds a list of numbers.
163. Summation
164. Product
165. Smallest
166. Largest
167. A system program which helps the execution of user programs is known as
168. System software
169. Application program
170. Batch operating system
171. Utilities
172. None of the others
173. In the hierarchical database model, data is organized as an inverted\_\_\_\_\_\_\_\_
174. Graph
175. Tree
176. Array
177. Record
178. \_\_\_\_\_\_ can be measured by such metrics as mean time between failures number of bugs per thousand lines of code and number of user requests for change.
179. Accuracy
180. Security
181. Efficiency
182. Correctability
183. In \_\_\_\_\_\_\_\_\_\_\_ sort, the smallest item moves to the beginning of the unsorted list. There is no one-to-one swapping.
184. Selection
185. Bubble
186. Insertion
187. Every
188. \_\_\_\_\_\_\_\_\_\_\_\_\_ is an attack that reduce the capability of a computer system to function correctly or bring the system down altogether by exhausting its resources
189. DoS
190. Trojan horses
191. Worms
192. Viruses
193. Why OS is responsible for the efficient use of input/output devices?
194. Because need to maintains a queue for each input/output device
195. Because these devices are slower in speed compared with the CPU and memory
196. It may use FIFO for one device
197. The manager also needs to know when a device has finished serving one process
198. Use a simple right shift operation on the bit pattern 1001 1000.
199. 1001 1001
200. 1001 1000
201. 0100 1101
202. 0100 1100
203. The operation that takes two relations and combines them based on common attributes is the \_\_\_\_\_\_\_\_\_\_\_\_ operation.
204. Join
205. Project
206. Union
207. Intersection
208. In a positional number system with base b, we can always find the number of digits of an integer. So how many digits can we find in the decimal number 234 in decimal?
209. 1
210. 2
211. 3
212. 4
213. Which component is not an operating system component?
214. File access management program
215. Device driver program
216. Program scheduler for process
217. Free memory management program
218. \_\_\_\_\_\_\_\_\_\_ is the process by which a given set of relations are transformed to a new set of relations with a more solid structure
219. Relational database
220. Database system
221. Atomic operations
222. Normalization
223. Each row in a relation is called \_\_\_\_\_\_\_\_\_.
224. An attribute
225. A tuple
226. A union
227. An attitude
228. If the ASCII code for E is 1000101, then the ASCIl code for e is \_\_\_\_\_\_\_\_\_. Answer the question without consulting the ASCIl table.
229. 1000110
230. 1000111
231. 0000110
232. 1100101
233. The push operation \_\_\_\_\_\_\_\_\_ of the stack.
234. Deletes an item from the top
235. Deletes an item from the bottom
236. Inserts an item at the top
237. Inserts an item at the bottom
238. We use the\_\_\_\_\_\_\_\_\_search for an ordered list.
239. Sequential
240. Binary
241. Bubble
242. Insertion
243. An\_\_\_\_\_\_\_\_\_\_\_is a sequence of operands and operators that reduces to a single value
244. Expression
245. Operator
246. Variables
247. Input/output
248. \_\_\_\_\_\_ is a series of randomized letters and numbers which humans cannot make any sense of.
249. Plain text
250. Cipher text
251. Encryption
252. Decryption
253. \_\_\_\_\_\_\_ is a collection of related elements possibly of different types having a single name
254. Array
255. Record
256. Linked list
257. Tree