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| --- | --- |
| User | KENNEDY KABASO |
| Course | Computer Program Design |
| Test | Week 11 Final Exam |
| Started | 9/15/17 1:02 AM |
| Submitted | 9/15/17 2:18 AM |
| Due Date | 9/18/17 9:00 AM |
| Status | Completed |
| Attempt Score | 100 out of 100 points |
| Time Elapsed | 1 hour, 15 minutes out of 2 hours |
| Instructions | The final exam consists of 40 questions. You will have 90 minutes to complete it. Good Luck! |
| Results Displayed | Submitted Answers, Correct Answers, Feedback |

* **Question 1**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A(n) \_\_\_\_ loop executes a predetermined number of times. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  definite | | Correct Answer: | Correct  definite | |  |  |  |

* **Question 2**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A mistake programmers often make with loops is that they \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  neglect to initialize the loop control variable prior to entering the loop body | | Correct Answer: | Correct  neglect to initialize the loop control variable prior to entering the loop body | |  |  |  |

* **Question 3**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The last step in a while loop is usually to \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  increment the loop control variable | | Correct Answer: | Correct  increment the loop control variable | |  |  |  |

* **Question 4**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A comparison is correct only when the correct \_\_\_\_ and operator are used. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  operands | | Correct Answer: | Correct  operands | |  |  |  |

* **Question 5**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A mistake programmers often make with loops is that they \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  include statements inside the loop that belong outside the loop | | Correct Answer: | Correct  include statements inside the loop that belong outside the loop | |  |  |  |

* **Question 6**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A(n) \_\_\_\_ is a programmer-defined type, such as a class. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  abstract data type | | Correct Answer: | Correct  abstract data type | |  |  |  |

* **Question 7**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The term \_\_\_\_ is applied to situations in which you define multiple methods with a single name. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  overloading | | Correct Answer: | Correct  overloading | |  |  |  |

* **Question 8**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | The term \_\_\_\_ implies that the type’s data can be accessed only through methods. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  abstract data type | | Correct Answer: | Correct  abstract data type | |  |  |  |

* **Question 9**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Object-oriented programmers also use the term \_\_\_\_ when describing inheritance. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  is-a | | Correct Answer: | Correct  is-a | |  |  |  |

* **Question 10**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Objects both in the real world and in object-oriented programming contain \_\_\_\_ and methods. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  attributes | | Correct Answer: | Correct  attributes | |  |  |  |

* **Question 11**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A variable usually is passed into a method by \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  value | | Correct Answer: | Correct  value | |  |  |  |

* **Question 12**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | You can think of the \_\_\_\_ in a method declaration as a funnel into the method. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  parentheses | | Correct Answer: | Correct  parentheses | |  |  |  |

* **Question 13**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When a data item is known to all of a program’s modules, it is a \_\_\_\_data item. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  global | | Correct Answer: | Correct  global | |  |  |  |

* **Question 14**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A calling method sends a(n) \_\_\_\_ to a called method. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  argument | | Correct Answer: | Correct  argument | |  |  |  |

* **Question 15**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Each time a method executes, any parameter variables listed in the method header are \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  redeclared | | Correct Answer: | Correct  redeclared | |  |  |  |

* **Question 16**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Files exist on \_\_\_\_ storage devices, such as hard disks, DVDs, USB drives, and reels of magnetic tape. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  permanent | | Correct Answer: | Correct  permanent | |  |  |  |

* **Question 17**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In most programming languages, before an application can use a data file, it must \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  open the file | | Correct Answer: | Correct  open the file | |  |  |  |

* **Question 18**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | \_\_\_\_ storage is not lost when a computer loses power. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  Permanent | | Correct Answer: | Correct  Permanent | |  |  |  |

* **Question 19**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A \_\_\_\_ is a copy that is kept in case values need to be restored to their original state. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  backup file | | Correct Answer: | Correct  backup file | |  |  |  |

* **Question 20**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When you \_\_\_\_ a file, it is no longer available to your application. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  close | | Correct Answer: | Correct  close | |  |  |  |

* **Question 21**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Array subscripts are always a sequence of \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  integers | | Correct Answer: | Correct  integers | |  |  |  |

* **Question 22**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A program contains an array that holds all the names of the days of the week. Which of the following is true? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  The highest subscript is 6. | | Correct Answer: | Correct  The highest subscript is 6. | |  |  |  |

* **Question 23**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | All array elements have the same group \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  name | | Correct Answer: | Correct  name | |  |  |  |

* **Question 24**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | An array can be used to replace \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  nested decisions | | Correct Answer: | Correct  nested decisions | |  |  |  |

* **Question 25**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In all languages, subscript values must be sequential \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  integers | | Correct Answer: | Correct  integers | |  |  |  |

* **Question 26**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | An \_\_\_\_ variation is a use case variation that shows functions beyond those found in a base case. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  extend | | Correct Answer: | Correct  extend | |  |  |  |

* **Question 27**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When you draw a flowchart or write pseudocode, your purpose is to illustrate the individual steps in a(n) \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  process | | Correct Answer: | Correct  process | |  |  |  |

* **Question 28**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | You use a(n) \_\_\_\_ diagram to illustrate the names, attributes, and methods of a class or set of classes. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  class | | Correct Answer: | Correct  class | |  |  |  |

* **Question 29**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | You can use the UML’s \_\_\_\_ to construct different kinds of software diagrams and model different kinds of systems. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  shapes | | Correct Answer: | Correct  shapes | |  |  |  |

* **Question 30**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | A(n) \_\_\_\_ relationship describes the connection or link between objects. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  association | | Correct Answer: | Correct  association | |  |  |  |

* **Question 31**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When you use a menu bar, it is at the top of the screen in most GUI programs, and the first menu item is almost always \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  File | | Correct Answer: | Correct  File | |  |  |  |

* **Question 32**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In object-oriented languages, the procedural modules that depend on user-initiated events are often called \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  scripts | | Correct Answer: | Correct  scripts | |  |  |  |

* **Question 33**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Operating system software allows you to use a mouse or other pointing device to select pictures, or \_\_\_\_, on the screen. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  icons | | Correct Answer: | Correct  icons | |  |  |  |

* **Question 34**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | Performing an operation on an icon causes a(n) \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  event | | Correct Answer: | Correct  event | |  |  |  |

* **Question 35**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | GUI programmers sometimes refer to screen space as \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  real estate | | Correct Answer: | Correct  real estate | |  |  |  |

* **Question 36**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When using a bubble sort to sort a 10-element array, on the fourth pass through the array list you detect that no swap has occurred. This indicates \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  all elements in the array are already in the correct order | | Correct Answer: | Correct  all elements in the array are already in the correct order | |  |  |  |

* **Question 37**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | In a \_\_\_\_, items in a list are compared with each other in pairs. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  bubble sort | | Correct Answer: | Correct  bubble sort | |  |  |  |

* **Question 38**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When you learn a method like sorting, programmers say you are learning a(n) \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  algorithm | | Correct Answer: | Correct  algorithm | |  |  |  |

* **Question 39**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When you sort records, two possible approaches are to place related data items in parallel arrays and to \_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  sort records as a whole | | Correct Answer: | Correct  sort records as a whole | |  |  |  |

* **Question 40**

2.5 out of 2.5 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
|  | When computers sort data, they always use \_\_\_\_ values when making comparisons between values. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Correct  numeric | | Correct Answer: | Correct  numeric | |  |  |  |