

User ID: _____ CS-1150_QZ03.DOCX NAME: _____

#1 $-15 \% 4$ is _____

- (a) 0
- (b) -4
- (c) -2
- (d) -1
- (e) -3

#2 The order of the precedence (from high to low) of the binary operators $+$, $*$, $\&\&$, $\|\|$, \wedge is:

- (a) \wedge , $\|\|$, $\&\&$, $*$, $+$
- (b) $*$, $+$, $\&\&$, $\|\|$, \wedge
- (c) $\&\&$, $\|\|$, \wedge , $*$, $+$
- (d) $*$, $+$, \wedge , $\|\|$, $\&\&$
- (e) $*$, $+$, \wedge , $\&\&$, $\|\|$

#3 What is "Welcome" + 1 + 1*2?

- (a) Welcome11*2
- (b) Welcome12
- (c) Welcome3
- (d) Welcome4

#4 "abcdefgh".subString(1, 3) returns _____.

- (a) cde
- (b) bc
- (c) abc
- (d) bcd

#5 Which of the loop statements always have their body executed at least once.

- (a) The post loop
- (b) The do-while loop
- (c) The while loop
- (d) The for loop

Enter the letter(s) of each answer below. You may choose multiple answers, but credit will be divided by the number of choices made.

1_____ 2_____ 3_____ 4_____ 5_____ 6_____ 7_____ 8_____ 9_____ 10_____

- #6 Which of the following expression yields an integer between 0 and 100, inclusive?
- (a) `(int)(Math.random() * 100 + 1)`
 - (b) `(int)(Math.random() * 100) + 1`
 - (c) `(int)(Math.random() * 101)`
 - (d) `(int)(Math.random() * 100)`
- #7 What will the value of `i` be after the following code runs: `for(int i=0; i<5; i+=4);`
- (a) 8
 - (b) 4
 - (c) 5
 - (d) the loop variable `i` will be out of scope.
 - (e) 6
- #8 Which portion of a `for()` declaration is optional?
- (a) the first and second
 - (b) the second and third
 - (c) they are all optional
 - (d) the first only
 - (e) the first and third
- #9 Why should floating point variable types be avoided for controlling loops?
- (a) Because loop control variables are inherently integral in nature.
 - (b) Because of the inevitable inaccuracy associated with these data types.
 - (c) Because a loop can only execute an integer number of times.
 - (d) Because floating point operations in a loop causes significant performance loss.
- #10 Do not answer this question -- it is for grading purposes only.
- (a) Turned in the quiz.
 - (b) Entered UserID incorrectly or illegibly.
 - (c) Entered Name illegibly.
 - (d) Did not enter answers legibly in spaces provided.
 - (e) Did not leave the answer space for this question blank.