

WK3 Lecture Review Quiz #1

Answers

1. In C++ when a relational expression is false, it has the value _____.

(Points : 0.5)

- ☐ A) 1
- ☒ B) 0
- ☐ C) -1
- ☐ D) "0"
- ☐ E) of any negative number

Question 2. 2. What will the following expression evaluate to?

$!(6 > 7 \parallel 3 == 4)$

(Points : 0.5)

- ☐ A) 0
- ☐ B) -1
- ☐ C) 6
- ☒ D) true
- ☐ E) None of the above

Question 3. 3. What are the outputs of following statements (assume that all statements are correct and embedded in a correct program)?

$\text{cout} \ll (5 > 6 \parallel 3 < 4) \ll \text{endl}; //-----1$
 $\text{cout} \ll (! (7 > 6)) \ll \text{endl} \ll \text{endl}; //-----2$
 $\text{cout} \ll (2 * 3 == 6 \&\& !(1 > 2)) \ll \text{endl}; //-----3$
 $\text{cout} \ll (! (2 * 3 == 6 \&\& 1 > 2)) \ll \text{endl}; //-----4$

(Points : 2)

$5 > 6 \parallel 3 < 4 \Rightarrow T$
 $!(7 > 6) \Rightarrow F$
 $2 * 3 == 6 \&\& !(1 > 2) \Rightarrow T$
 $!(2 * 3 == 6 \&\& 1 > 2) \Rightarrow T$

Question 4. 4. What are the outputs of following statements (assume that all statements are correct and embedded in a correct program)?

$\text{char char1} = 'a';$
 $\text{char char2} = 'A';$

$\text{cout} \ll (\text{char1} < \text{char2});$
 $\text{cout} \ll \text{islower}(\text{char1});$ (Points : 1)

Question 5. 5. What are the outputs of the following statements (Assume that the statements are embedded in a correct program)

$\text{string str1} = "ASU";$
 $\text{string str2} = "ASU Tempe";$
 $\text{string str3} = "AsU";$

$\text{cout} \ll \text{str1.compare}(\text{str2}); //-----1$
 $\text{cout} \ll \text{str2.compare}(\text{str1}); //-----2$
 $\text{cout} \ll \text{str1.compare}(\text{str3}); //-----3$
 $\text{cout} \ll \text{str3.compare}(\text{str1}); //-----4$ (Points : 2)