

# **FIT5192-2018-S2B Enterprise and Internet Applications Development**

## **Module 2 - Internet Application Development Using ASP.NET**

### **Day 3 Quiz**

## Topic 3.1 C# basics: data types and operators

**Question 1:** Which one of the following is an example of Hungarian notation for naming variables?

- a: strAddressBox**
- b: AddressBox
- c: str\_Address\_Box
- d: string AddressBox
- e: StrAddressBox

**Question 2:** Which of these implicit data conversions are permitted in C#?

- a: short to int.**
- b: ushort to Char.
- c: ulong to uint.
- d: double to float.
- e: Char to byte.

**Question 3:** Which of the following is the correct way to declare the variable myText and set it to the value "Hello world"?

- a: string myText = "Hello world";**
- b: int myText = "Hello world";
- c: string mytext = "Hello world";
- d: string myText = Hello world;
- e: string myText := "Hello world";

**Question 4:** C# supports quite a few data types. They can be divided into two categories:

- a: Value Types and Reference Types**
- b: Integer Types and Numeric Types
- c: String Types and Value Types
- d: Alpha Types and Pointer Types
- e: String Types and Integer Types

**Question 5:** Reference types have a reference stored on the stack, referencing memory in the heap. Which of the following is not a Reference type?

- a: Structure.**
- b: String.
- c: Array.
- d: Class.
- e: Object.

**Question 6:** Which of the following C# Numeric Data Types can not be signed?

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- a:** byte
- b: int
- c: short
- d: float
- e: decimal

**Question 7:** Which of the following is NOT a C# escape sequence?

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- a:** '\m'
- b: '\\'
- c: '\n'
- d: '\b'
- e: '\"'

## Topic 3.2 C# Language Constructs

**Question 1:** With logical operators, what is the order of precedence?

- a: !, &&, ||
- b: They are taken left to right.
- c: ||, !, &&.
- d: &&, !, ||.
- e: !, ||, &&.

**Question 2:** What is the structure of the conditional operator in C#?

- a: <conditional statement>?<statement 1>:<statement 2>
- b: <statement 2>?<statement 1>:<conditional statement>
- c: <statement 2>?<conditional statement>:<statement 1>
- d: <statement 2><conditional statement>:?<statement 1>
- e: None of the otherwise stated is correct.

**Question 3:** Which keyword is used to stop within a loop and move to the next statement after the loop in C#?

- a: break
- b: end
- c: while
- d: continue
- e: move

**Question 4:** Which of the following is incorrect regarding loops in C#?

- a: The while loop must be executed at least once.
- b: The While loop can be used when it is not known how many times the loop needs to be executed.
- c: The For loop is used to repeat a block of code a given number of times.
- d: The While loop tests the continuing/ending condition at the top of the loop whereas do..while loop tests at the bottom of the loop.
- e: The For loop makes use of at least one counter that is incremented/ decremented each time round the loop.

**Question 5:** Which of the following C# loops will always execute at least once?

- a: do-while loop
- b: for loop
- c: while loop
- d: foreach loop
- e: none of the otherwise stated

**Question 6:** Which of the following statements about break and continue statements in C# is correct?

- a:** Break is to jump out of the loop scope, continue runs the next loop iteration.
- b:** Continue is to jump out of the loop scope, break is to jump to the top of loop and run next iteration.
- c:** Continue is to jump out of the loop scope, break is same as continue.
- d:** Break is to jump to the top of loop and run next iteration, continue is same as break.
- e:** Break and continue are not available in C#.

**Question 7:** When we do not know how many times a group of statements should be repeated, which one of the following C# control structures can be used?

- a:** while loop.
- b:** for loop.
- c:** if...else statement.
- d:** switch...case statement.
- e:** none of the otherwise stated.

**Question 8:** Given the loop:

```
for(counter=0;counter=<3;counter++)  
{  
    Message1.Text+= "Hello world />";  
}
```

How many times will the loop execute?

- a:** 4
- b:** 5
- c:** 3
- d:** 2
- e:** The loop will continue indefinitely.

**Question 9:** Which of the following conditional statements will return true for i = 39

- a:** if((i >= 38 && i <= 40) || i < 3) { ... }
- b:** if(!(i == 39)) { ... }
- c:** if(i > 23 && !(i < 40)) { ... }
- d:** if(i != 39) { ... }
- e:** if(!(i == 39) && (i == 39)) { ... }

**Question 10:** Which of the following must enclose a loop block, if there is more than one statement in the block?

- a:** { }
- b:** ( )
- c:** [ ]
- d:** < >
- e:** /\* \*/