

Module 1: Week 2 Review

100% (11/11)

	Widdle II Week 2 Neview	10070 (1171
~	The default value for a reference type is null	
~	2. What C# operator is used to create an instance of a class? new	
~	3. Static methods require an instance of a class to exist in order to be in A True B False	nvoked.d
✓	 string s = "Tech Elevator is a coding school"; bool containsWord = s.Contains("Technical"); 	
	What is the value of containsWord at the end of this code segment? A True B False	
~	5. Queue<t> is a FIFO (first in first out) data structure.</t>A TrueB False	
~	6. Which collection is an associative collection that supports specific ket to each value? A Queue B Stack C List D Dictionary E I don't know	ys assigned
~	7. Dictionary <string, string=""> zipcodes = new Dictionary<string, string="">()</string,></string,>	
	zipcodes["44103"] = "Cleveland"; zipcodes["44103"] = "Shaker Heights";	
	string city = zipcodes["44103"];	

What is the value of city at the end of this code snippet?

"Shaker Heights"

Answer Sheet Page 1 of 3

✓	8 is a principle of object oriented programming that deals with hiding the implementation details of a class to prevent other parties from setting the object with invalid data or into an inconsistent state.
	(A) Inheritance
	B Programming
	C Encapsulation
	D Data Protection
	E I don't know
✓	9. Private members are accessible in other parts of the program outside of the class they are defined in.
	(A) True
	B False
/	10. Constructors like methods can be overloaded.
	A True
	B False
/	11. //##################################
	//#####################################
	public class Automobile {
	private int numberOfPassengers; public int NumberOfPassengers
	get { return numberOfPassengers; } }
	private int milesPerGallon; public int MilesPerGallon
	get { return milesPerGallon; } }
	private int gasTankCapacityInGallons; public int GasTankCapacityInGallons {

Answer Sheet Page 2 of 3

```
get { return gasTankCapacityInGallons; }
public Automobile()
numberOfPassengers = 5;
milesPerGallon = 30;
gasTankCapacityInGallons = 15;
public Automobile(int numberOfPassengers, int milesPerGallon, int
gasTankCapacityInGallons)
this.numberOfPassengers = numberOfPassengers;
this.milesPerGallon = milesPerGallon;
this.gasTankCapacityInGallons = gasTankCapacityInGallons;
public int GetTotalRangeInMiles( )
return gasTankCapacityInGallons * milesPerGallon;
}
// AutomobileDemo.cs
public class AutomobileDemo
public static void main( String[] args )
int bestRange;
Automobile genericSedan = new Automobile();
Automobile miniVan = new Automobile(7, 25, 20);
if( genericSedan.getTotalRangeInMiles( ) > miniVan.getTotalRangeInMiles( ) )
bestRange = genericSedan.getTotalRangeInMiles( );
else
bestRange = miniVan.getTotalRangeInMiles( );
Console.WriteLine(bestRange);
```

What number is displayed by the main method of AutomobileDemo?

500

Answer Sheet Page 3 of 3