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 $\textbf{Grade received} \ 100\% \quad \textbf{To pass} \ 80\% \ \text{or higher}$

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Interface Assessment

Latest	Suhm	siccion	Grado	100%
Latest	SUDII	ussion	urane	100%

1.	(Select all that apply) Interfaces can have Attributes that are not final	1/1 point
	✓ JavaBeans properties ✓ correct Sure. Abstract, yes, but they can be declared and thus polymorphic.	
	✓ Abstract methods ✓ Correct Correct	
	 ☐ Methods that refer to non-static-final attributes ✓ Methods with code 	
	Correct As of Java 8, yes, we can have both default and static methods on interfaces. But they can only reference other methods or constants. There is no data to reference.	
	✓ Attributes that are static and final	
2.	(Select all that apply) Interfaces □ Can implement one or more interfaces □ Can extend one, but only one, class ☑ Can extend multiple other interfaces	1/1 point
	 Provide polymorphism to classes that have nothing in common other than that they all implement that interface. Correct Yes, this is literally why they exist. 	
3.	Where the java.lang.Math class introduced in Java 8, could it have been an interface? Yes. No.	1/1 point
	 ✓ correct Correct. It contains nothing but static members. 	
4.	Where the java.lang.System class introduced in Java 8, could it have been an interface? No. Yes.	1/1 point

	Correct. Even though they are static, members of System such as out and err can be modified.		
5.	(Select all that apply) Classes in Java can	1/1 point	
	☐ Extend one or more interfaces		
	✓ Implement as many interfaces as they want		
	Extend exactly one other class		
	Extend one or more classes		
6.	To implement a default method, one must	1/1 point	
	Replace the ';' with a {}-block.		
	O Use the keyword abstract.		
	Use the keyword default and provide a code body.		
7.	(Select all that apply) Static and default methods	1/1 point	
	Must have code bodies.		
	Can refer to the instance data of the implementing class.		
	Can refer to methods of the interface and/or static members of other interfaces and/or classes.		
8.	Interfaces are best used to	1/1 point	
	Provide polymorphism throughout Java, regardless of class inheritance.		
	O Provide a common implementation to child classes.		
	⊙ Correct Correct		
9.	In the following code	1/1 point	
	Interface EmployeeService {		
	static String END_POINT = "http://localhost:8080/employees";		
	<pre>public Employee[] findAll();</pre>		
	Employee findByID(int empID);		

 \bigcirc Correct

EmployeeService(String endPoint);

}		
	The findByID method has default (package) scope.	
(The constructor declaration is invalid.	
	The END_POINT variable can be changed at runtime to point to the real service, since it is not final.	
10. T	True or false: Interfaces are the key to polymorphism in Java.	1/1 point
(True	
) False	
	✓ CorrectYes, as we've repeatedly covered in class.	