Quiz review

Started on	Wednesday, 15 February 2023, 9:55 AM
State	Finished
Completed on	Saturday, 18 February 2023, 4:15 PM
Time taken	3 days 6 hours
Marks	8.00/10.00
Grade	**80.00** out of 100.00

Question **1**

Correct

Mark 1.00 out of 1.00

595

What is the purpose of an abstract method?

Select one:

- ○ a. To provide a default implementation of a method
- ◉ b. To provide a blueprint for a method that must be implemented by a derived class✔
- ○ c. To provide a static implementation of a method
- ○ d. To provide a final implementation of a method that cannot be overridden

Your answer is correct.

The correct answer is: To provide a blueprint for a method that must be implemented by a derived class

Question **2**

Correct

Mark 1.00 out of 1.00

Can an interface contain fields?

Select one:

- ○ a. yes
- ◉ b. no✔

Your answer is correct.

The correct answer is: no

Correct

Mark 1.00 out of 1.00

Choose the statements that distinguish interfaces from classes.

Select one:

○ Unlike classes, interfaces consists of only declaration but not implementation

○ Interfaces consists of declaration of methods, properties events and type definitions

○ Interfaces cannot be used directly like classes to create new objects

◉ All of the mentioned✔

The correct answer is: All of the mentioned

Question **4**   595

Correct

Mark 1.00 out of 1.00

Select the correct implementation of the interface which is mentioned below.

interface a1
{
int fun(int i);
}

Select one: 595

○ class a
{
int fun(int i) as a1.fun
{
}
}

○ None of the mentioned

◉ class a: a1   ✔
{
int a1.fun(int i)
{
}
}

○ class a   595
{
int fun(int i) as a1.fun
{
}
}

The correct answer is: class a: a1
{
int a1.fun(int i)
{
}
}

What will be the output of the following C# code?

```
namespace ConsoleApplication
{
abstract class A
{
public int i;
public abstract void display();
}
class B: A
{
public int j;
public int sum;
public override void display()
{                          595
sum = i + j;
Console.WriteLine(+i + "\n" + +j);
Console.WriteLine("sum is:" +sum);
}
}
class Program
{
static void Main(string[] args)
{
A obj = new B();
obj.i = 2;
B obj1 = new B();
obj1.j = 10;
obj.display();                  595
Console.ReadLine();
}
}
}
```

Select one:

○ 0, 10
   10

◉ 2, 0 ✔
   2

○ 2, 10
   12

○ 0, 0
   0   595

The correct answer is: 2, 0
2

Correct

Mark 1.00 out of 1.00

Choose the correct statements among the following:

Select one:

○ An abstract method does not have implementation

○ An abstract method can be declared only in abstract class

○ An abstract method can take either static or virtual modifiers

⦿ All of the mentioned✔

The correct answer is: All of the mentioned

Question **7**

595

Correct

Mark 1.00 out of 1.00

Can an interface have implementation details?

Select one:

○ a. yes

⦿ b. no✔

595

Your answer is correct.

The correct answer is: no

Question **8**

Incorrect

Mark 0.00 out of 1.00

What is the purpose of an interface?

595

Select one:

⦿ a. To provide a blueprint for a class that must be implemented by a derived class✖

○ b. To provide a final implementation of a class that cannot be overridden

○ c. To provide a default implementation of a class

○ d. To provide a blueprint for a class that must be implemented by a class that implements it

Your answer is incorrect.

The correct answer is: To provide a blueprint for a class that must be implemented by a class that implements it

estion **9**

Correct

Mark 1.00 out of 1.00

Can an interface have a constructor?

Select one:
- ⦿ a. no ✔
- ○ b. yes

Your answer is correct.

The correct answer is: no

Question **10**

595

Incorrect

Mark 0.00 out of 1.00

Which of the following is not a property of an abstract class?

Select one:
- ○ a. It can have non-abstract methods
- ○ b. It can have a constructor
- ⦿ c. It cannot be instantiated ✖
- ○ d. It can have abstract methods   595

Your answer is incorrect.

The correct answer is: It can have a constructor

◄ **OpenableInterface**

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