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If same message is passed to objects of several different classes and all of those can respond in a different way, what is this feature called?

Select one:

- ☐ a. Inheritance
- ☒ b. Polymorphism
- ☐ c. Overriding
- ☐ d. Overloading

Clear my choice

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What is the visibility modifier that enforces encapsulation?

Select one:

- ☒ a. Private
- ☐ b. Public
- ☐ c. Protected
- ☐ d. None of the options

Question 4

Answer saved

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Question

Abstract class A has 4 virtual functions. Abstract class B defines only 2 of those member functions as it extends class A. Class C extends class B and implements the other two member functions of class A. Choose the correct option below.

Select one:

- ☐ a. Program won't run as all the methods are not defined by B
- ☒ b. Program runs correctly
- ☐ c. Program won't run as multiple inheritance is used
- ☐ d. Program won't run as C is not inheriting A directly

[Clear my choice](#)

Question 5

Answer saved

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Question

The value of the variable current in following statement :

```
Thread current = Thread.currentThread;
```

is:

Select one:

- ☐ a. Reference to a wait thread
- ☒ b. Reference to currently executing thread
- ☐ c. Reference to a block thread

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How many objects can be declared of a specific class in a single program?

Select one:

- ☐ a. 32768
- ☒ b. As many as you want
- ☐ c. 127
- ☐ d. 1

Clear my choice

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Which among the following is called first, automatically, whenever an object is created?

Select one:

- ☒ a. Constructor
- ☐ b. Class
- ☐ c. New
- ☐ d. Trigger

Quiz



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Question 8

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Question

A class declared as final _____.

Select one:

- ☐ a. cannot be changed.
- ☐ b. cannot have superclasses.
- ☐ c. has several abstract methods.
- ☒ d. cannot have subclasses

Clear my choice

Question 9

Answer saved

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Question

How can Encapsulation be achieved?

Select one:

- ☒ a. Using Access Specifiers
- ☐ b. Using only private members
- ☐ c. Using inheritance
- ☐ d. Using Abstraction

Clear my choice

Having multiple class methods of the same name where each method has a different number of or type of parameters is known as

Select one:

- ☐ A. importing
- ☐ B. encapsulation
- ☐ C. information hiding
- ☒ D. method overloading
- ☐ E. tokenizing

[Clear my choice](#)

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Question 12

Answer saved

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Flag question

Using encapsulation data security is -----

Select one:

- ☐ a. Not ensured
- ☒ b. Ensured to some extent
- ☐ c. Purely ensured
- ☐ d. Very low

Clear my choice

Question 13

Answer saved

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Flag question

Write a method that accepts an SQL statement, then returns a DataTable in order to fill in a given data grid view.

The method header can be as follows:

```
public static DataTable fillDataGridView(string sql)
{
    .....
}
```


Abstraction principle includes_____

Select one:

- ☐ a. Use abstraction to avoid longer codes
- ☒ b. Use abstraction whenever possible to avoid duplication
- ☐ c. Use abstraction whenever possible to achieve OOP
- ☐ d. Use abstraction at its minimum

[Clear my choice](#)

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If a derived class object is created, which constructor is called first?

Select one:

- ☐ a. Derived class constructor
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- ☐ d. Not possible

[Clear my choice](#)

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Answer saved
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Question 12

Answer saved

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[Clear my choice](#)

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Question 14

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answered

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question

What is output of the following program?

```
class student
{
    public int marks;
    void disp()
    {
        Console.WriteLine("its base class");
    }
}
class topper:student
{
    public void disp()
    {
        Console.WriteLine("Its derived class");
    }
}
public static void Main() { student s; topper t;
s.disp();
t.disp();
}
```

Select one:

- ☐ a. Its derived class Its base class
- ☐ b. Its base class Its derived class
- ☐ c. Its base classIts derived class
- ☐ d. Its derived classIts base class

Write appropriate code to implement a class hierarchy to represent Point, Square, and Rectangle classes, where every Point has X and Y coordinate, Square has X, Y, and Width. The rectangle has X, Y, Width, and Height. The main method is `getArea()` that returns the area if available.



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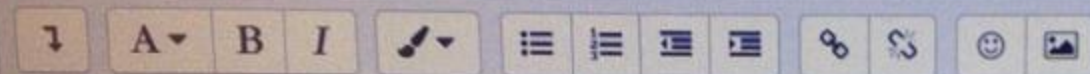
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Write a method that accepts a datagridview control as a parameter and then returns the sum of the last column.



```
public static string getFieldValue(datagridview dvg)
{
    string result = "";
    dgvItems.DataSource = dvg.lastitem+dvg.lastitem
    dgv.DataSource = null;
    return result;
}
```

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Using encapsulation data security is _____

Select one:

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- ☐ c. Purely ensured

Consider that you have an employee table with columns of empno, ename, salary, and deptNo.

Write a method that you can pass an SQL statement and then it returns a list of buttons that have the empno as the Name property and the ename as the Text property.



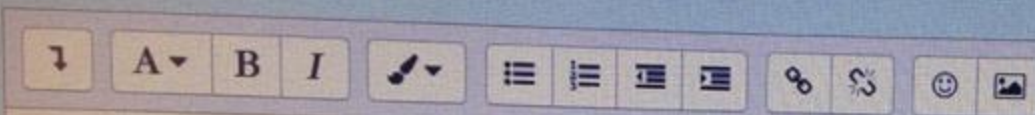
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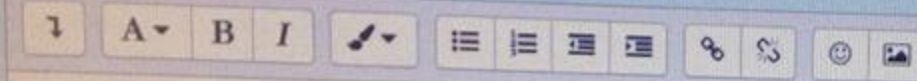
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Clear my choice

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