

**VIRTUAL UNIVERSITY OF PAKISTAN**  
**PAST PAPERS AND SOLVED M.C.Q'S**  
*From Imran Ahmed*

**CS411 Visual Programming**  
**Solved Past Papers**

**what is difference between hover() and toggle()? (2 marks)**

Difference b/w hover() and toggle() is that toggle() works by clicking it on and off whereas hover() works just by positioning the mouse over it.

**Core Locations Framework contains which types of classes ? (2 Marks)**

**Answer: Page 218**

**Core Locations** classes that enable finding geographical position. distanceFilter and desiredAccuracy properties.

**can Operating System distinguish between window contain WPF and window Contain Win32? (2 Marks)**

**when we preferred BeginInvoke instead of Invoke method? (2 Marks)**

there are times when you want to invoke a delegate and wait for its execution to complete before the current thread continues. In those cases the Invoke call is what you want.

In multi-threading applications, you may not want a thread to wait on a delegate to finish execution, especially if that delegate performs I/O (which could make the delegate and your thread block). In those cases the BeginInvoke would be useful.

**what is difference between server Side programming and Client Side Programming ? (3 Marks)**

Server-side programming, is the general name for the kinds of programs which are run on the Server.

**Uses**

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- Process user input.
- Display pages.
- Structure web applications.
- Interact with permanent storage (SQL, files).

Much like the server-side, Client-side programming is the name for all of the programs which are run on the Client.

### Uses

- Make interactive webpages.
- Make stuff happen dynamically on the web page.
- Interact with temporary storage, and local storage (Cookies, localStorage).
- Send requests to the server, and retrieve data from it.
- Provide a remote service for client-side applications, such as software registration, content delivery, or remote multi-player gaming.

Also check [here](#) for more detail

### define iOS feature of Block and also provide its syntax ? (3 Marks)

Blocks are a new feature that was introduced in iOS 4.0 and Mac OSX 10.6. Blocks can greatly simplify code. They can help you reduce code, reduce dependency on delegates, and write cleaner, more readable code.

A Block is a chunk of code that can be executed at some future time. Blocks are [first-class functions](#), which is a fancy way of saying that Blocks are regular Objective-C objects. Since they're objects, they can be passed as parameters, returned from methods and functions, and assigned to variables.

Syntax: `return_type (^block_name)(param_type, param_type, ...)`

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define Term "View" and also write name of items that are supported by it ? (3 Marks)

name of Touch Events only three ? (3 Marks)

ontouchdown(e)

capturetouch(e)

ontouchmove(e)

write a not on Retain count and also its working and usage? (5 Marks)

"Retain count rules. Init, new, copy in name. Assume you own. Any other means. Assume in autorelease. If you dont own and want to make sure, call retain. No longer need and own than release or autorelease. When 0 count, dealloc called." - Direct from handbook, I have no idea what it means.

define in detail modes of data binding (5 marks)

Binding Modes:

- One-Way
- Two-Way
- OneWayToSource
- OneTime

One way : The target is updated whenever the source changes.

Two-Way Binding means change to either the target or source updates the other

OneWayToSource is the opposite of One-Way binding. the source is changed whenever the target changes.

One-Time binding is like one-way except changes to the source are not reflected at the target. The target retains a snapshot of the source at the time the Binding is initiated.

ek code tha us ki output btani the localization may say tha ? (5 Marks)  
ek case the kay ek admin nay online order bucking kawani hay magr usay nahe pta kay kitnay items ho gay tou us ko veriable kay name assign kary may problem ho rahe hay java Script kay according is problem ka soulution btay (5 Marks)

1---The dimension of the given array is

```
Int[][]matrix=new int[][]
```

```
{ new int[] {0,1,2}
```

```
  New int[] {3,4,5}
```

```
  New int[] {6,7,8,9}
```

```
};
```

3by 2

1by 9

3 by 3

2 by 3

2-----which of the following response show internal server error

404

**500**

200

304

3-----which of the following response show file not found error

**404**

500

200

304

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4---interact with web page layout

Java script

**HTML**

XML

DOM

5---which of the following technologies is not used in AJAX

DOM

DHTML

**Flash(I think)**

Css

6----in Xaml browser application ,how much isolated memory we can use?

256kb

128

**512**

1024

-----subjective-----

1---what are the other names of “java script”?/2 marks

ECMAScript, Jscript(not confirmed)

2---Define the term “ios application bundle” /2 marks

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"a bundle is a [directory](#) that allows related resources such as an application's executable and its graphics to be grouped together, appearing as a single file to the user." - Wikipedia

**3---Can the operating system distinguish between windows with WPF contents and windows with Win32 contents /2**

Yes, we can even create Host WPF content in a Win32 window. and vice versa.

**4---As we know that ICollectionView has a property called "filter" which provides the facility for selective removal of items based on an arbitrary condition. this property is also known as Predicate<Object> type. What is meant by this Predicate<Object> type? /2**

Filtering gives a property Filter of type Predicate<Object>.

**5----what will be the efficient way of applying the same style on all paragraphs of HTML page? also provide an example //3**

A technique is to collect all our CSS rules in one place, a style sheet, and then apply the style sheet to every single element on the page. An embedded style sheet affects every element on the page. In order to create an embedded style sheet, we need to go to the head of the document.

```
/span>html>
```

```
/span>head>
```

```
/span>title>Hello World</title>
```

```
/span>style type="text/css">
```

```
p {color: #008000; background: #ffff00}
```

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```
</style>
</head>
</span>body>
  </span>h1>Hello World</h1>
</body>
```

**6---which property tells the location manager about how accurate the location finding should be?and why the accuracy is important? /3**

```
[locationmanager setdesiredaccuracy:kCLLocationAccuracyBest];
```

**7---we know that whatever we bind to a collection (anything that implements IEnumerable,a default view is implicitly inserted between the source and target objects.you are required to define the term "view" and also the names of the items which are supported by it.. /3**

Can anyone please solve this I am having trouble understanding this.

**8---how can you refresh the current page in WPF Navigation based application? /3**

```
This.navigationService.Refresh();
```

**9---Tasks using objective C**

- **Create location manager object**
- **Apply accuracy filter on location manager object created in first step**
- **Tell the manager to start looking for its location immediately**

```
// Create location manager object Locationmanager=
```

```
[[CLLocationManager alloc] init];
```

```
// We want all results from the location manager [locationmanager
setdistancefilter:kCLLocationDistanceFilterNone];
```

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```
// And we want it to be as accurate as possible // regardless of how  
much time/power it takes [locationmanager  
setdesiredaccuracy:kCLLocationAccuracyBest];  
// Tell our manager to start looking for its location immediately  
[locationmanager startUpdatingLocation]; Goto lecture # 41
```

**10---consider the following code lines and explain what are we trying to achieve from them /5**

```
Msbuild/t:updateuid Projectname.csproj  
locBaml/parse Projectname.g.en-US .resources/out.en-US.csv
```

**11---writing an XAML code to create a "grid panel" having two buttons/5**

**Final Paper of CS411**

**Date:- 28/08/2014**

Question 01 )::M Separate server side language and Client side language.(3Marks)JS(Java Script), Cold Fusion, PHP, ASP.net

Question 02 ):- iOS Wfiiwzlcation was give in Question. where we were asked about the type of touch event's?

Question 03):- Differentiate b/W XIB and NIB.(2Marks)

Question 04):: When using xamarin in ios is typically organized in which elements'?

Question 05):- Write three basic touch events.(3Marks)

Question 06):: Write which code line we have created 2resources. (5M)

```
<resource Include = "images\VU1.jpg"\>  
<Content Include = "images\VU12.jpg"\>
```

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Question 07):- Explain Model-View-ControllerPattern" in the context of iOS programming. Also give examples.(5Marks)

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