

Quiz 1 Pilot

1. Inspect the following lines of code and determine which Run method would **NOT** satisfy an appropriate http post triggered function?

- a. `public static void Run([BlobTrigger("samples-workitems/{name}"), Connection = "test")]Stream myBlob, string name, ILogger log) { ... }`
- b. `public static void Run([QueueTrigger("myqueue-items", Connection = "")]string myQueueItem, ILogger log) { ... }`
- c. `public static async Task<IActionResult> Run([HttpTrigger(AuthorizationLevel.Function, "get", "post", Route = null)] HttpRequest req, ILogger log){ ... }`
- d. `public static async Task<IActionResult> Run([HttpTrigger(AuthorizationLevel.Function, "post", Route = null)] HttpRequest req, ILogger log){ ... }`

2. Inspect the following lines of code and determine which Run method would satisfy an appropriate timer triggered function?

- a. `public static void Run([TimerTrigger("*/5 * * * *")] ILogger log) { ... }`
- b. `public static void Run([TimerTrigger("*/5 * * * *")]TimerInfo myTimer, ILogger log) { ... }`
- c. `public static async Task<IActionResult> Run([HttpTrigger(AuthorizationLevel.Function, "get", Route = null)] HttpRequest req, ILogger log){ ... }`
- d. `public static async Task<IActionResult> Run([HttpTrigger(AuthorizationLevel.Function, "post", Route = null)] HttpRequest req, ILogger log){ ... }`

3. In the \src\FunctionAppQuizPilot\NCRONTABFunction.cs file, the following code snippet shows the NCRONTAB time for this timer triggered function. Select the appropriate expression for when the function will be triggered.

```
[FunctionName("NCRONTABFunction")]  
public static void Run([TimerTrigger("0 15 12 * * *")]TimerInfo myTimer, ILogger  
log)
```

- a. **at 12:15 PM every day**
 - b. at the 15th hour every 12th day
 - c. at the 12th hour every 15th day
 - d. every 12 hours for 15 minutes
 - e. every 12 hours at the 15th minutes
4. Which of the following http triggered functions will require an api key when triggered.

a. `[FunctionName("DefaultFunctionTemplate")] public static
async Task<IActionResult>
Run([HttpTrigger(AuthorizationLevel.admin, "get",
"post", Route = null)] HttpRequest req, ILogger log)`

b. `[FunctionName("HttpFunctionExample1")] public static
async Task<IActionResult>
Run([HttpTrigger(AuthorizationLevel.Anonymous, "get",
"post", Route = null)] HttpRequest req, ILogger log)`

c. `[FunctionName("DefaultFunctionTemplate")] public static
async Task<IActionResult>
Run([HttpTrigger(AuthorizationLevel.Function, "get",
"post", Route = null)] HttpRequest req, ILogger log)`

d. `[FunctionName("HttpFunctionExample1")] public static
async Task<IActionResult>
Run([HttpTrigger(AuthorizationLevel.Scope, "get",
"post", Route = null)] HttpRequest req, ILogger log)`

5. If a post request is made using the following URL and json body key value pair what will be returned by the DefaultFunctionTemplate

* This can be tested using Postman or running the unit test of the project

URL Post Request: <http://localhost:7071/api/DefaultFunctionTemplate>

Body: { "name" : "Alex Holding" }

- a. C# HTTP trigger function processed a request.
- b. This HTTP triggered function executed successfully. Pass a name in the query string or in the request body for a personalized response.
- c. **Hello, Alex Holding. This HTTP triggered function executed successfully.**

6. What file would need to be updated to change the Azure Function version of the function project?

- a. Host.json
- b. Local.settings.json
- c. Client-secrets.json
- d. **FunctionAppQuizPilot.csproj**

7. Select the code snippet that correctly disables a function from being triggered.

- a. **[Disable]**
[FunctionName("SecretTimerFunction")] public static void
Run([TimerTrigger("/1 * * * * *")]TimerInfo myTimer, ILogger
log)
- b. [Disable("SecretTimerFunction")]
[FunctionName("SecretTimerFunction ")] public static void
Run([TimerTrigger("/1 * * * * *")]TimerInfo myTimer, ILogger
log)
- c. [Disable("unset")]
[FunctionName("SecretTimerFunction ")] public static void
Run([TimerTrigger("/1 * * * * *")]TimerInfo myTimer, ILogger
log)
- d. Not possible

8. Based on the following code snippets, what is the missing code needed to enable Dependency injection in an HTTP Triggered Azure Function for the SeasonHttpFunction class to function without error that is not found in the Startup.cs class?

```
using FunctionAppQuizModel.Application;
using FunctionAppQuizModel.Models;
using Microsoft.Azure.Functions.Extensions.DependencyInjection;
using Microsoft.Extensions.DependencyInjection;
```

[missing]

```
namespace FunctionValidation
{
    public class Startup [missing]
    {
        public override void Configure([missing])
        {
            builder.Services.AddScoped<IGreetings, Greetings>();

            ...
        }
    }
}
```

- a. [assembly: FunctionsStartup(typeof(FunctionValidation.Startup))]
 ,FunctionsStartup, HostBuilder builder
- b. using AzureFunction.Web,FunctionsStartup, IFunctionsHostBuilder
 builder
- c. [assembly: FunctionsStartup(typeof(FunctionValidation.Startup))]
 ,FunctionsStartup, IFunctionsHostBuilder builder
- d. [assembly: FunctionsStartup(typeof(FunctionValidation.Startup))]
 , Startup, WebHost host

9. What is the IFunctionsHostBuilder.cs file used for in this project?

- a. To load the local.settings.json file through dependency injection
- b. To load the publish functions configuration file
- c. Both a & b**
- d. None of the above

10. For the following code snippet from the SeasonHttpFunction class from what config file is the value of the _confiuration["WINTER"] coming from?

```
// Dependency injection of file
var mySeason = _greetings.GetSeason(DateTime.Now);

// Dependency injection configuration - retrieve value from config file
var desiredSeasonDate = DateTime.Parse(_configuration["WINTER"]);
```

- a. host.json
- b. appsettings.json
- c. local.settings.json**
- d. appsettings.development.json

Solution/ Project Reference

1. Line 17 in DefaultHttpTemplate.cs
2. Line 11 in DefaultTimerTemplate.cs
3. Line 12 in NCRONTABFunction.cs
4. Line 17 in DefaultHttpTemplate.cs
5. Postman request to <http://localhost:7071/api/DefaultFunctionTemplate>
or run unit tests
6. Line 4 in src\FunctionAppQuizPilot\FunctionAppQuizPilot.csproj
7. Line 12 in NCRONTABFunction.cs
8. In Startup.cs
9. In IFunctionsHostBuilder.cs
10. In SeasonHttpFunction.cs