**Cucumber interview Questions -Part 1**

**1.What is a cucumber ? What are the advantages of cucumber ?**

Cucumber is a testing approach which supports **BDD** .(Behaviour driven development)

It offers a way to write test cases that anybody can understand.

Advantages

1.It is helpful to involve business stakeholders who can't easily read and understand

the code

2.Cucumber Testing focus on end-user experience

3.You can write your specifications in more than 40 languages

4.Style of writing test cases allow for easier reuse of code in the tests

5.You can use tags to organise and group your scenarios

6.Quick and easy setup and execution

7.You can easily integrate with a host of high -quality automation libraries to driver the almost

8.Efficient tool for testing

**2.Why do we need cucumber ?**

Most software projects involve people from different teams (technical and non technical )

working together . It is very important to have a communication between the teams ,

but when using testing approach such as hybrid or data driven the non-technical person

may not understand the code.

Cucumber using gherkin language which is similar to English language,

Every test scenario written in gherkin language , so everyone can easily

understand that what is happening under a particular test scenario

**3.what should you know before writing test cases with cucumber?**

1.what is BDD

2.What is gherkin

3.what are the keywords

4.Main component of cucumber

5.what are options available in cucumber

6.what is the feature file

7.what is the scenario and scenario outline

8.How cucumber works?

**4.what are the main components of cucumber ?**

Feature file

Step definition file

Test Runner Class

**5.which language is used by cucumber**

Gherkin which is similar to english language

**6.How Cucumber compiles with BDD?**

**BDD is extension to TDD**

BDD is a Behaviour Driven Development approach of software development process

**BDD focus on what to test and not how to test**

BDD is written in simple English and can be understood by anyone .

BDD tests are non-programming and easy to write .

BDD is highly efficient and useful in resolving complex solutions and requirements

in the project to handle smoothly.

**7.what dependencies do we need to add to work with cucumber ?**

we need below dependencies in cucumber in the pom

junit

testng

selenium jar files

cucumber jar files

cucumber junit

cucumber testng

plugins

maven compiler plugin

maven resource plugin

maven source-file plugin

maven-cucumber -reporting

**8.Selenium can be integrated with cucumber? True or False**

True

**9.what is the name of the plugin that is used to integrate Eclipse with cucumber?**

Natural Plugin

**10.What do you mean by BDD?**

BDD is Behavior driven development , it is an extension to TDD.

It basically focuses on what to test and not how to test

**Cucumber part -2**

**11.What are the programming languages supported by Cucumber?**

Java ,Ruby,scala, groovy etc , Specflow for C#

**12.When Cucumber used in real time**

Cucumber is used to write user acceptance test of an application

It is basically used by non -technical person such as BA and functional testers

**13.Name any two build management tools that can be integrated with cucumber ?**

Maven

Gradle

**14.Name any two -testing frameworks that can be integrated with cucumber?**

Hybrid Framework

POM (Page Object Model)

**15.Are there any readymade Selenium - Cucumber frameworks available ?**

Yes

EasyB is a BDD framework written in Groovy

**16.How to setup Maven with cucumber in selenium**

a)Create a maven project

b)Second all all the following dependencies in pox.xml , below jar files should be added

junit

testng

selenium jar files

cucumber jar files

cucumber junit

cucumber testng

c)plugins

maven compiler plugin

maven resource plugin

maven source-file plugin

maven-cucumber -reporting

**17.which plugin is used to run all the codes in cucumber?**

maven surefire plugin

**18.how many spoken languages cucumber support**

cucumber supports more than 40 spoken languages and the number is still growing

**19.How to integrate Cucumber with Selenium?**

We can integrate cucumber selenium by adding all necessary jars

We can add required jar files manually or we can add the dependencies in POM.xml

**20.What are the two significance of Cucumber?**

Cucumber is an open source

Cucumber supports several Platforms like Java , .Net , Ruby etc

**Cucumber interview Question -Part 3**

**21.what is the language used by cucumber ?**

Cucumber uses the Gherkin language which is very much similar to english language.

**22.What is gherkin ?**

gherkin is a domain specific language that has a very well defined syntax and

which helps you to describe business behaviour of the application without the need to go into detail

1.It is very similar to English

2.The text written in this language act as documentation and skeleton of our automated test

3.Gherkin works based on some predefined keywords, each Gherkin keyword has been translated

into more than 40 languages

4.The most important point is that is you need to use Gherkin then you must have to

add Natural plugin in the project

**23.What are the advantages and disadvantages of Gherkin ?**

**Advantages of Gherkin**

1.Gherkin is so simple that a non-programmer can easily understand

2.Tester can use it as very solid base to start their tests

3.Gherkin targets the business requirements

4.Gherkin script can be easily understand by business executive and developers

5.with help of gherkins the functional specifications is written as user stories

6.No need to be expert to understand the small Gherkin command

7.Gerkhin links acceptance tests directly to automated tests

8.Style of writing test cases are easier to reuse the code in other tests

**Disadvantages:**

Requires high level of business engagement and collaborations

May not work well in all the scenarios

Poorly written tests can easily increase the test-maintenance cost

**24.Give the structure of the Gherkin file ?**

**Feature File** : Login functionality of gmail

**Scenario /Scenario Outline**: Verify login

**Given** : User on gmail login page

**When** user enter valid username and password

**Then** user on gmail home page

**And** user clicks on logout button

**And** user logout from gmail

**25.what are the two main reasons for using Gherkin ?**

Gherkin is so simple that a non-programmer can easily understand

Gherkin targets the **business requirements**

**26.Mention the main reason behind using simple programming languages such as gherkin.**

a)Easily understandable to non-programmer

b)Gherkin targets business requirements

c)Gherkin script can easily understand by business executive and developers

d)With help gherkin functional specifications are written as user stories

e)Gherkin links acceptance tests directly to automated test cases

f)Style of writing test cases are easier to reuse the code

**27.What are the different keywords ,that we can use with Gherkin**

To use the different gherkin keywords we have to create a feature file with extension .feature

this file is called as feature file .feature file contains business requirements

**Feature**

**scenario**

**scenario Outline**

**Given**

**When**

**Then**

**And**

\*

**Examples**

**Background**

Important : Gherkin file use the .feature extension

**28.What is the feature file ?**

Cucumber as three components

**Feature file**

**Step definition**

**Runner class**

**@RunWith(Cucumber.class)**

**@CucumberOption**s(features="src/test/resources/features",

glue= {"steps"},

monochrome=true,

plugin = {"pretty","html:target/HtmlReports"},

tags="@smoketest")

public class TestRunner {

}

**Feature file** : Is used to write acceptance test for automation scripts

The Cucumber feature file may have multiple number of scenarios as required

Imp points always keep in mind

a)One feature file normally focuses on one functionality of the application , such as login

home page etc

b)A feature file contains high level feature ,scenarios ,scenario outline and feature description to be tested

c)Feature file contains high level description of the test scenario and feature description to be tested

d)Feature file contains either contains a single scenario or multiple scenarios

**29.How to create a feature file ?**

New - file - LoginFeature.feature

**30.What is the file extension of the feature file?**

**.feature**