Java

Data types

Logical operator

Arithmetic Operators

Type of data= primitive (short,long,float,double,int) non-primitive String

If, else if

Arrays

Loops (for, while, do-while) its

Packages

Class=in the real world, you'll often find many individual objects all of the same kind. There may be thousands of other bicycles in existence, all of the same make and model. Each bicycle was built from the same set of blueprints and therefore contains the same components. In object-oriented terms, we say that your bicycle is an *instance* of the *class of objects* known as bicycles. A *class* is the blueprint from which individual objects are created.

Method

Constractor- initialize the object

Static

Non-static

Access modifier = (public, private, protec 1. private: accessible in the same file 2. default: accessible in the same package 3. protected: accessible in the same package; accessible in all packages w/ "extend" E.g. otherpackage extend package1{ 4. public: accessible in all packagested, default)

encapsulation

getters and setters =is a method inside our classes that allows to control how to access other programs interact with those classes

inheritance (Use a extend keyword)

scanner

arraylist

heap is a type memory in java that were the objects or classes were stored

reference variable – is a type of variable that have the address the object or class

stack

overloading concepts – is the same method name but different parameters or argument

interface (keyword implements) is a contract, has no body

exceptions

abstract method has no body

abstract class is object with an abstract method it can only be extend or parents of a class abstract class is meant to be parent class and the child class will implement the method

overriding concepts=allow us to use the method from parent’s class to subclass with the same name and number of arguments but allows change the body of the method is happening between classes such as parents class and child class.

exception handling

Thread. Sleep(6000)

Maven – build management tools that contain the pom file that is the heart and brain of the maven. You can input codes on the pomfile which is also known as dependency that will download relevant jar file from the webUse by developer and software tester.

- Very easy to build a project

-Easy to add dependencies or jars into project

-easy to integrate with central repositories like SVN, github

Selenium web driver 3.14

Pom file

Group id

Xpath

Locators

In **Maven**, **dependency** is another archive—JAR, ZIP, and so on—which your current project needs in order to compile, build, test, and/or to run. The **dependencies** are gathered in the **pom**. ... When you run a build or execute a **maven** goal, these **dependencies** are resolved, and are then loaded from the local repository.

Chrome driver

**ChromeDriver** is a separate executable that Selenium **WebDriver uses** to control **Chrome**. It is maintained by the Chromium team with help from **WebDriver** contributors. If you are unfamiliar with Selenium **WebDriver**, you should check out the Selenium site.

actions

Gherkin

Xpath

dropdown