**What is the difference between SDK, JRE and JDK**

* SDK - Software Development Kit -toolkit intended for coding on specific platform / software / framework
* JDK - Java Development Kit- toolkit intended for coding in Java
* JRE - Java Runtime Environment (programs capable to launch Java applications)

JDK includes JRE

**What is the difference between 3 tools eclipse/junit/intelliJ**

IntelliJ is a Java IDE for pros and students, Eclipse focuses on open-source and has wide range of optimized IDEs. Compared to IntelliJ IDEA, Eclipse comes in many other languages. Also, it is a bigger project than IntelliJ IDEA. IntelliJ IDEA offers the Community Edition as the production-ready variant of its IDE while no commercial IDE is offered by Eclipse. Eclipse is also available as a cloud-based IDE unlike Intellij

**get to know commands for windows**

1. Ping Command

When you ping a device you send that device a short message, which it then sends back (the echo).

Example

ping www.google.com or ping 216.58.208.68

2. ipconfig Command

Another indispensable and frequently used utility that is used for finding network information about your local machine like IP addresses, DNS addresses etc

Basic Use: Finding Your IP Address and Default Gateway

Type the command ipconfig at the prompt.

The following is displayed

router-internet-setup-3

Ip config has a number of switches the most common are:

* ipconfig /all – displays more information about the network setup on your systems including the MAC address.
* ipconfig /release – release the current IP address
* ipconfig /renew – renew IP address
* ipconfig /? -shows help
* ipconfig/flushdns – flush the dns cache

3. Hostname Command

A very simple command that displays the host name of your machine. This is much quicker than going to the control panel>system route.

windows-network-command-hostname

4. getmac Command

Another very simple command that shows the MAC address of your network interfaces

windows-network-command-getmac

5. arp Command

This is used for showing the address resolution cache. This command must be used with a command line switch arp -a is the most common.

windows-network-command-arp

Type arp at the command line to see all available options.

See using arp in the basic networking course

6. NSlookup

Used for checking DNS record entries. See Using NSlookup for more details

7. Nbtstat

Diagnostic tool for troubleshooting netBIOS problems. See This technet article.

8 Net Command

Used for managing users,service,shares etc see here

9. Netstat Command

Used for displaying information about tcp and udp connections and ports. See tcp and udp ports and sockets and how to use the netstat command

10. TaskKill Command

**get shortcut keys of your javaTool**

CTRL + D – delete row

Ctr+ Space – Autocomplete

Ctr + e – all editors

Ctr + N – new wizard

Alt + Up – move the row up or down

Alt + left/ right – last location edited

**what are ascii values**

They are the 7 bit set of characters containing 128 characters. They range for A-Z upper and lower case, special characters, digits, etc

**Can we have an else condition without if condition?**

Else statements do not work unless they are associated with an if statement. Ensure that you have an if statement and that your else statement isn't nested within your if statement.

**Other than boolean can we use anything in if condition?**

the break is necessary to avoid passing through to the code under the next label.

**Why github gives u free of cost to create new repository?**

So that programmers can be much more collaborative and grow together as a community. Everyone will be able to benefit and access these resources

**What is agile?**

Agile software development refers to a group of software development methodologies based on iterative development, where requirements and solutions evolve through collaboration between self-organizing cross-functional teams.

**What are the ticketing tools used in agile?**

**How many version control tools are there?**

There are a lot of version control tools available

Some examples are listed below:

1) GitHub

2) Git

3) GitLab

4) Apache Subversion

5) CVS

6) Mercurial

7) Monotone

8) Bitbucket Server

9) Team Foundation Server

10) Bazaar

**What is scrum call?**

**Understand difference between WAR,EAR,JAR file?**

JAR file allows Java Runtime Environment (JRE) to deploy an entire application including the classes and related resources in a single request. WAR file allows testing and deploying web applications easily while EAR file allows deploying different modules onto an application server simultaneously

**Is java 100% Object oriented language?**

It doesn’t support primitive datatype(like int, char, float, bool, etc.). There are seven qualities to be satisfied for a programming language to be pure Object Oriented. They are:

Encapsulation/Data Hiding

Inheritance

Polymorphism

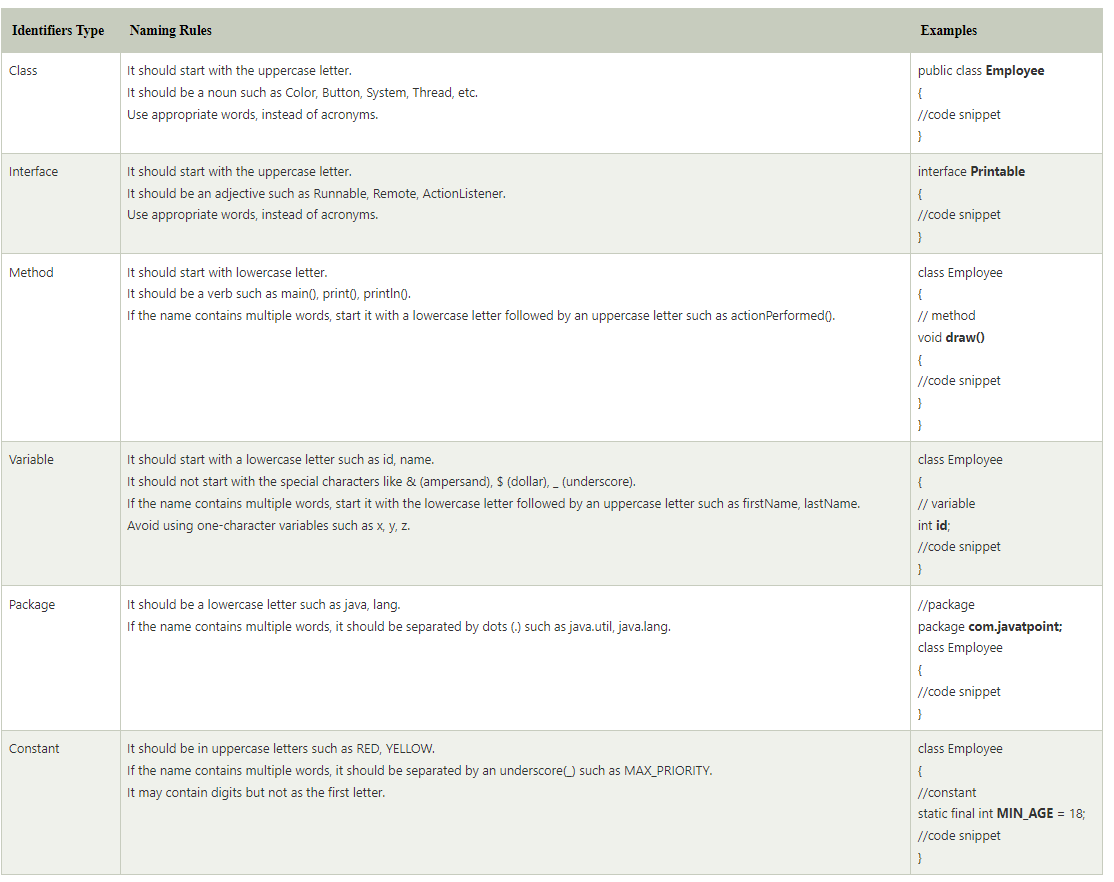
Abstraction

All predefined types are objects

All user defined types are objects

All operations performed on objects must be only through methods exposed at the objects.

**Understand the naming conventions**



**How can you tell the technology by seeing URL?**

The source code of a website is easily accessible from your browser. In Chrome, look for Developer Tools, in Firefox look for Web Developer in your menu. The source code's file extensions and URLs can tell you what type of platform the website is built on