1. If the exception is not in arithmetic exception, then how to catch that exception?

Sol - catch(Exception e){

System.out.println(ex)

}

1. What languages do u need to learn as an Android developer?

Sol - Java or Java

1. What is Cloud? Name the cloud services of Microsoft, Google etc.?

Sol- The cloud is a metaphor for a global network of remote servers which operates as a single ecosystem, commonly associated with the Internet.

Microsoft – Azure

Google - Google Cloud Platform (GCP)

Amazon – Amazon Web Services (AWS)

1. What is HTML, CSS and JavaScript?

Sol –

HTML - The Hyper Text Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.

CSS - Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.

Java Script (JS) - JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, animated 2D/3D graphics.

1. What is difference between Java and JavaScript?

Sol-

|  |  |
| --- | --- |
| **JAVA** | **JAVA SCRIPT** |
| It is a Programming language. | It is a Scripting language |
| Java is a pure Object-Oriented Programming Language. | Java is a pure Object Based Language. |
| Java is a standalone language. | JavaScript is not a standalone language, as it needs to be integrated into an HTML program for execution. |
| Java program should be compiled before execution. | JavaScript needs to be integrated into the HTML program for the execution. |
| Web Browser is not needed to run the code. | Web Browser is essential to run the JavaScript programs. |
| It requires a large amount of memory | It does not require much memory. |
| Has .java extension for its file. | Has .js extension for its file. |

1. Write a program to write hello world in HTML.

Sol –

|  |
| --- |
| <html>  <head>  <title>Hello World</title>  </head>  <body>  <h1>Hello World</h1>  </body>  </html> |

1. What is a Cookie?

Sol - A cookie is a small piece of text sent to your browser by a website you visit. It helps the site remember information about your visit, which can make it easier to visit the site again and make the site more useful and faster to you.

1. What is Hibernate and ORM?

Sol - Hibernate is an object-relational mapping solution for Java environments. Object-relational mapping or ORM is the programming technique to map application domain model objects to the relational database tables. Hibernate is a Java-based ORM tool that provides a framework for mapping application domain objects to the relational database tables and vice versa.

Object-relational mapping (ORM) is a programming technique in which a metadata descriptor is used to connect object code to a relational database. Object code is written in object-oriented programming (OOP) languages such as Java or C#. ORM converts data between type systems that are unable to coexist within relational databases and OOP languages.

1. What are the keywords used for class to class, class to interface and interface to interface?

Sol -Class to Class - extends keyword

Class to Interface – implements keyword

Interface to Interface – extends keyword

1. What is the default access for variables and functions defined in Java 7?
2. How many types of file formats are present in java?

Sol - JPEG (Joint Photographic Experts Group)

PNG (Portable Network Graphics)

GIF (Graphics Interchange Format)

PDF (Portable Document Format)

SVG (Scalable Vector Graphics)

MP4 (Moving Picture Experts Group)

1. Examples of DBMS and RDBMS?

Sol -

DBMS Examples: XML, Window Registry, etc.

RDBMS Examples: MySQL, PostgreSQL, SQL Server, Oracle, Microsoft Access etc.

14. Can Python connect to DB2?

Python can connect to db but cannot connect to db2, but there are other drivers available which can make database connection possible.

1. Difference between Spring Frame work and Spring Boot?

Sol -

|  |  |
| --- | --- |
| Spring | Spring Boot |
| Spring is an open-source lightweight framework widely used to develop enterprise applications. | Spring Boot is built on top of the conventional spring framework, widely used to develop REST APIs. |
| The most important feature of the Spring Framework is dependency injection. | The most important feature of the Spring Boot is Autoconfiguration. |
| It helps to create a loosely coupled application. | It helps to create a stand-alone application. |
| To run the Spring application, we need to set the server explicitly. | Spring Boot provides embedded servers such as Tomcat and Jetty etc. |
| To run the Spring application, a deployment descriptor is required. | There is no requirement for a deployment descriptor. |
| To create a Spring application, the developers write lots of code. | It reduces the lines of code. |
| It doesn’t provide support for the in-memory database. | It provides support for the in-memory database such as H2. |

1. Difference between Linux OS and Windows OS?

|  |  |
| --- | --- |
| **Linux** | **Windows** |
| Linux is Open Source and is free to use. | Windows is not open source and not free to use. |
| Linux file system is case sensitive | Windows file system is not case sensitive. |
| Linux uses monolithic kernel | Windows uses micro kernel. |
| Linux is more efficient in operations compared to Windows. | Windows is less efficient. |
| Linux uses forward slash as path separator. | Windows uses backward slash as path separator. |
| Linux is highly secured compared to Windows. | Windows is less secured. |