**Java Interview questions Answer the following questions**

\* **difference between Path and classPath?**

- Path:

is used to define where the executables are .exe files

java.exe, javac.exe etc

- Class path:

is used to specify location of Java.class files

\* **Explain Public Static void main (String args[])**

- public:

public is an access modifies which is used to specify who

can access this method. Public means that this method will be

accessible by any Class.

- static:

It is a keyword in java which identifies it is class bases i.e

it can be accessed without creating the instance of a class

- void:

it is the return type of the method void defines the method which

will not return any value

- main:

it is the name of the method which is searched by JVM as a

starting point for an application with a particular signature only.

it is the method where the main executions occurs

- String args:

it is the parameter passed to the main method

\* **What is constructor in java**

\* **what is the difference between constructor and method?**

- A constructor in java is a block of code similar to a method thats called

when an instance of an object is created. Difference between constructor and

method:

- A constructor doesnt have a return type

- the name of the constructor must be the same as the name of the class

- unlike methods constructors are not considered members of a class

- a constructor is called automatically when a new instance of object

is created

- the purpose of a constructor is to initialize the object of a class

while the purpose of a method is to perform a task by executing java code

- default constructor is added if programmer did not add a constructor.

Types of Java Constructor

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default constructor parameterized constructor

**\* What is the difference between access modifiers in java?**

Modifier Class Package Subclass World

- public Y Y Y Y

- protected Y Y Y N

- no modifier Y Y N N

- private Y N N N

**\* what is static keyword in java?**

- Static keyword means that the variable or method belongs to class

and shared between all instances.

- we can call static members by using class name or object

- static methods can not call/refer Non Static members

- Static can be: variables, method, block, inner class

public class Computer{

private String brand;

public Computer(){

this("Apple");

}

public Computer(String brand) {

this.brand = brand; }

public static class Memory{

private int ramsize;

}

}

Memory c = new Computer().new Memory();

**\* difference between equals method and "==" operator in java?**

- "==":

reference and address comparison

== in case of primitives it is checking the value. as primitives are

single value without any behavior.

- equals()

content comparison

**\* what is String pool?**

- String Pool in javais a pool of Strings stored in Java Heap Memory. Used to

save space in memory.

**\* What is an Object?**

- An instance of a class is called object. The object has state and behavior.

- Whenever the JVM reads the “new()” keyword then it will create an instance of that class.

Example:

public class Addition{

public static void main(String[] args){

Addion add = new Addition();//Object creation

}

}