Discussions on Java

As We discussed earlier Java as class based and object oriented programming language We need to declare a class First followed by the main method. What is a method? A method is a collection of function to create object in the class and as we discussed earlier objects are the instance of the class and class is its blue print. A method has its own name and returns a value depending on the decoration of the method(say main method does not return a value except declared void while the decoration follows with void)Sometimes returns value with the decoration without void (Public static int add(){})without the decoration of void as void returns no value.

Why main method is static:- Main method is called by the JVM before the instantiation of the class even before creating an object. That’s why main method is static and staic is a keyword to call the method.A class can be public and private but a class cannot be protected , only the methods can be protected and when methods are protected it cannot be accessed from outside the package. Now in order to create a class we have to follow the naming convention in Java.

First:-A Java project has to be created in a Camel Casing Process. Camel casing starts with upper Case(For example:-(MyJavaProject) an example of camel casing.

Second:-A package declaration needed to be followed by Java project as always package declaration is the first statement for java class. A package is the combination of related classes and interface in java. A package is also used to create separate name space for the groups of classes and interface. An interface defines the method but does not implement them. Package decoration has to be in lower case(Example com.infix.tech.add)

Third:-Final stage we have to declare a class inside the package. Class has to decorated in Camel casing as we discussed earlier and then we have to call in main method first(Example:- public static void main(String args []){})Java methods are 2 types 1.with parameter 2.without parameter. Now the concern arises what is a parameter? A parameter is nothing but giving multiple input or values in the method. This process of providing values in the method is called parameter.

Example for with parameter (public static void add(int x, int y){}) and Example for without parameter(public static void add(){}) With parameter return type of function consists of two parts 1.Function Header and Function Body. Header is the name of the function and body is the details that header holds.

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