

# JAVA INTERVIEW QUESTIONS

Why is Java not  
100% Object  
Oriented

#1

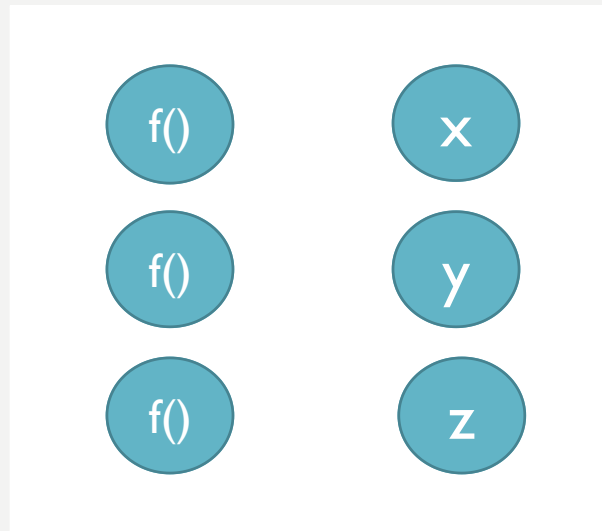
Code For Interview



# Procedural Oriented language

Procedural Oriented Language divides a Programme into Certain Functions.

Program



# Object Oriented Programming

In Object Oriented Programming, we combine a group of related functions and variables in a unit and we call that unit an Object.



# 100% Object-Oriented Language

In which Everything is in the form of Classes and Objects

1. Encapsulation
2. Inheritance
3. Polymorphism
4. Abstraction
5. All predefined types are objects
6. All user defined types are objects
7. All operations performed on objects must be only through methods exposed at the objects.

# Why Java is not 100% Object Oriented Language?

**1 - Primitive Data Type:** We have 8 Primitive Data Types in Java that are not Objects. Ex: byte, short, int, long, float, double, boolean and char.

```
int a = 5;
```

**2 – Static Keyword:** When we declares a class as static then it can be used without the use of an object in Java. If we are using static function or static variable then we can't call that function or variable by using class object which is against the principle of OOPs.

**3 – Wrapper Classes:** Each data type has its relevant class called Wrapper Class.

```
int ---- Integer
```

We can convert primitive data type into object and object into primitive data type using these Wrapper Classes.

Even using Wrapper classes does not make Java a pure OOP language, as internally it will use the operations like Unboxing and Autoboxing. So if you use 'Integer' and do any mathematical operation, under the hood Java is going to use primitive type 'int' only.

# QUESTION FOR YOU ALL

**Which of the following is a Pure/100% Object Oriented Programming Language?**

**A. Kotlin**

**B. C++**

**C. SmallTalk**

**D. Java**

