**CS304 GDB Fall 2021**

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**Solution:**

I will choose ***Object Oriented Programming (OOP)*** paradigm because ***camera is an object*** not a function. OOPs is feasible to design and develop this kind of systems, because in object orientation model, we move our concentration to ***real world objects*** but in procedural programming paradigm we can only ***write our code*** ***in functions*** and call them.

**Reasons to choose OOPs in this Scenario:**

* *Object Oriented Programming is based on* ***real world*** *problems and situations.*
* *Object Oriented Programming paradigm is* ***more effective*** *than procedural paradigm.*
* *In OOPs, program is divided into many* ***small parts called objects****, while in procedural programming paradigm program is divided into* ***small parts called functions****.*

**Conclusion:**

We know that ***“Camera” is an object***. So as a developer in a software house “XYZ”, I will develop a program that will detect the real time objects by using the camera by using ***Object Oriented Programming model***.