Abstract Data Types

Abstract : model, logical view

$\downarrow$

Implementation ✗

→ Data Definitions

→ Operations : What ??

NOT How ??

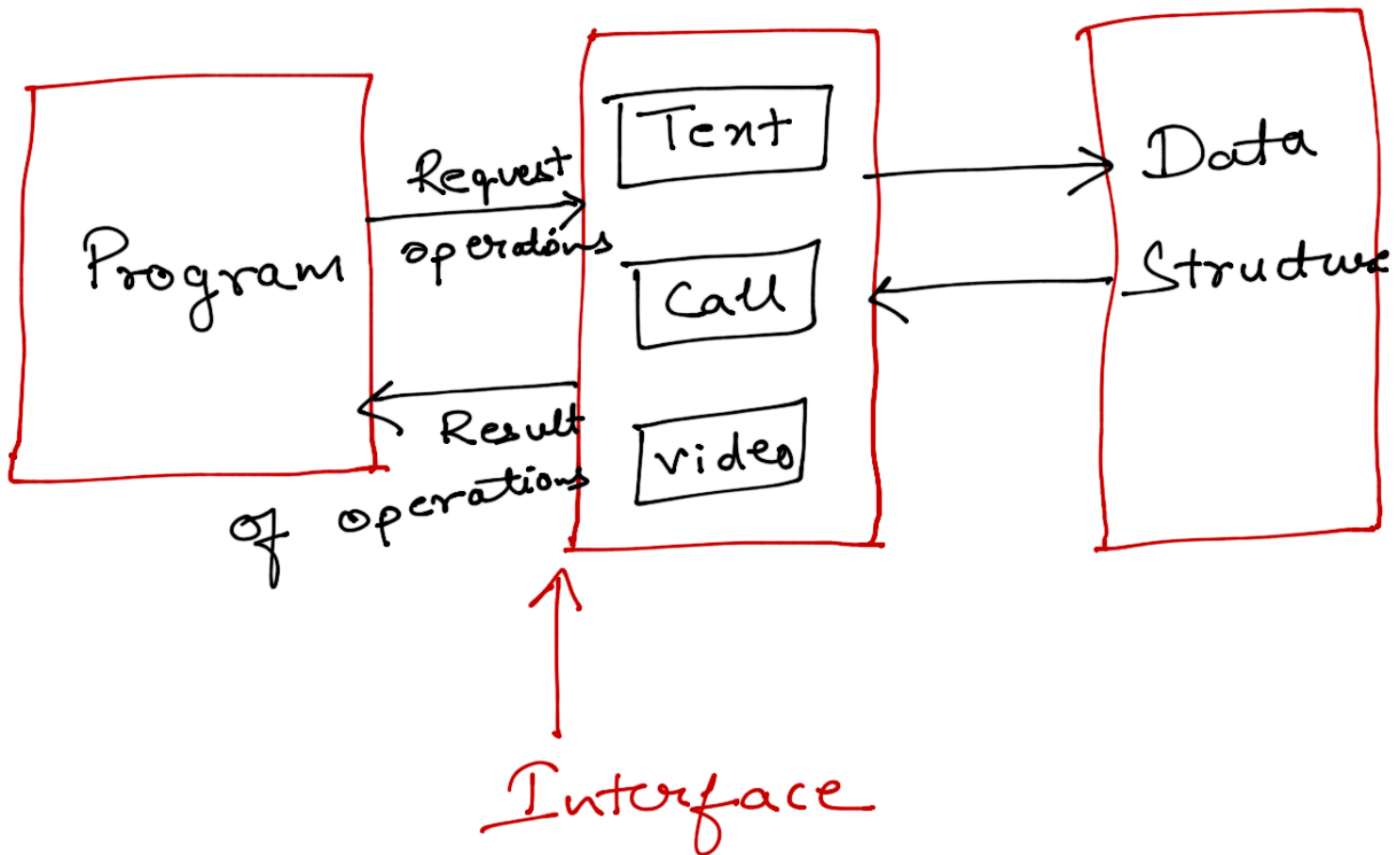Eg : Smart Phones

Abstract

Implementation

Abstract view	Implementation
→ 4 GB RAM	class SmartPhone
→ 2.2 GHz Processor	{
→ 5.5 inch Screen	Private:
	int ramSize;
→ Dual Camera	float processor;
→ Android 8.0	float screen;
	int cameraCount;
→ Operations	String android;
→ call()	
→ Text()	Public:
→ video()	void call();
	void text();
	void video();
	};

Program → Request operations → | Text | → Data

Result of operations ← | Call | ← Structure

| video |

↑
Interface

Wall of ADT operations

Eg: A set of elements of integer data type

→ Read the elements

→ Modify the elements

→ Count the elements

→ Perform Sorts.

Solutions : ??