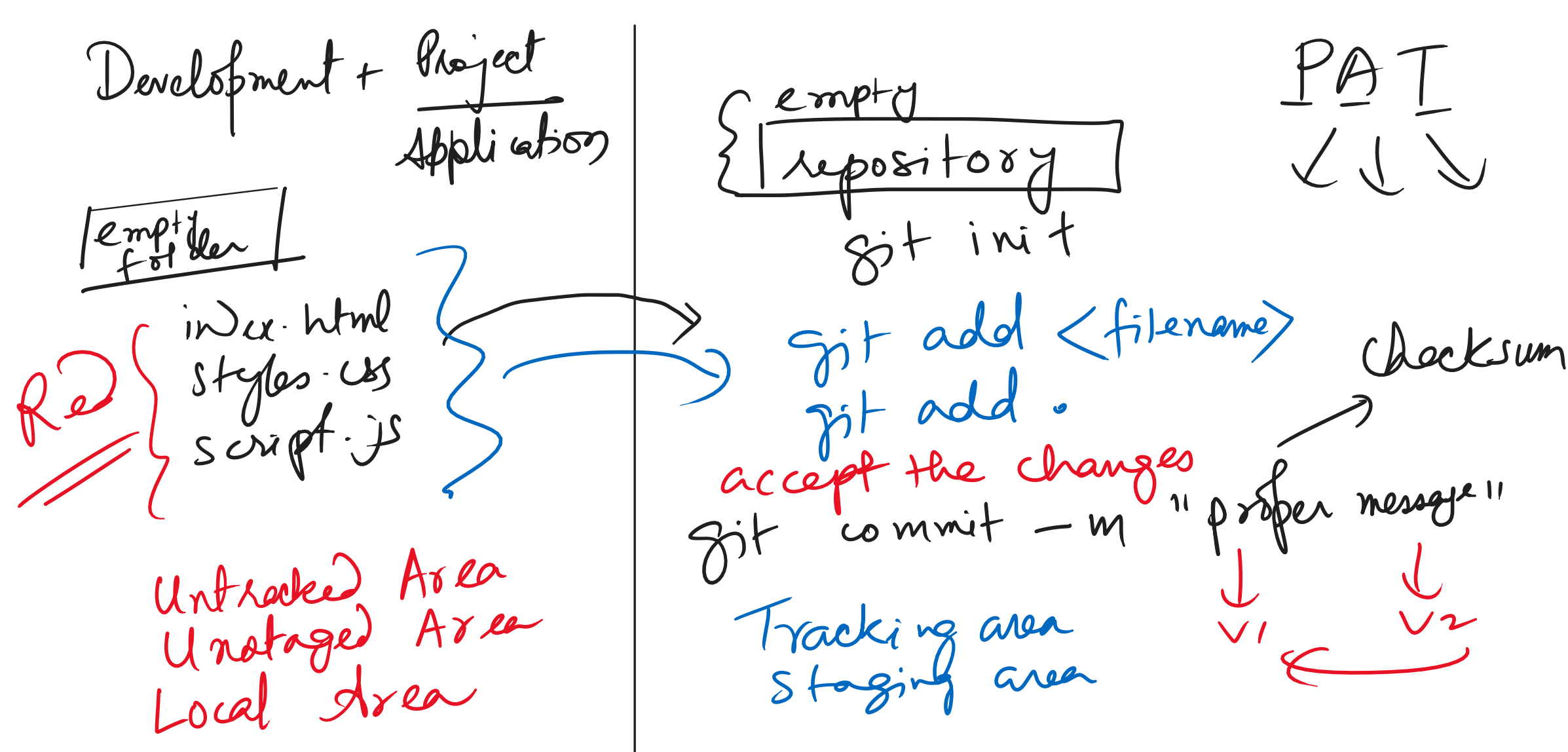
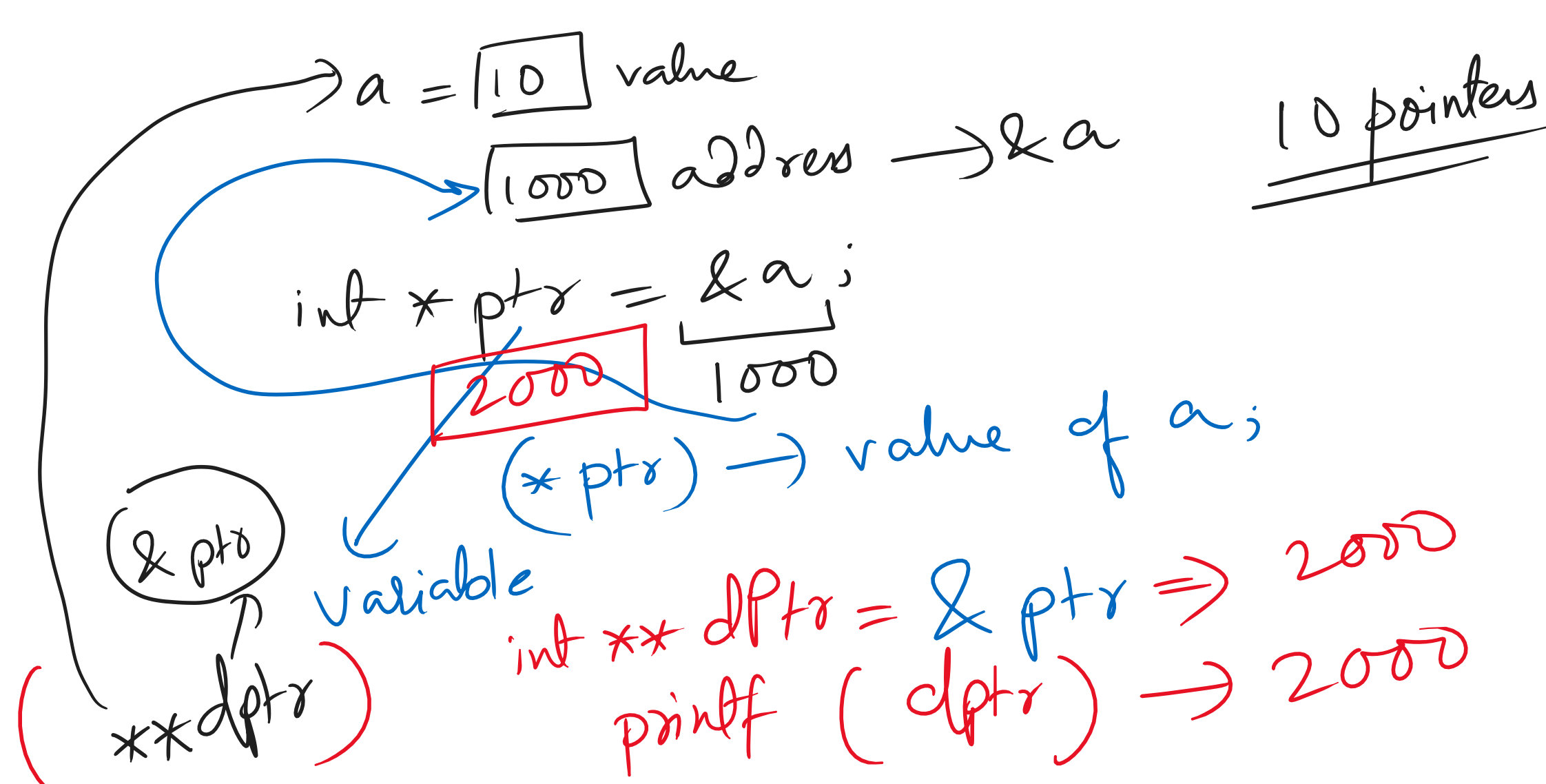


Pointers: → References: → ^{CPU} memory location
 Definition of variable → A container to store some data.

int a = 10; ^{value}
 ↓ ^{var} ↓ ^{address} 1000 ✓
 printf("%d", &a); ^{address of pointer}

int *ptr = &a;
 ↓
 1000



C/C++ → Striver → take U forward
 ↓
 code help
 Love Babbar Vikramaditya

Java: → Kund Kushwaha
 ↳ Teluska → Naveen Reddy

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- ① void / null pointer
 - ② data pointer → data type
 - ③ Dangling Pointer ? → Static keyword
- Storage Classes:
- ① static → global
 - ② extern → global
 - ③ register → RAM → pointers not allowed.
 - ④ auto → { local }

Arrays: → C, C++, Java → .length
 → Collection of Homogeneous Data
 Same Data Type
 sizeof() (int) arr[] = { 1, 2, 3, 4, 5 }; ^{Contiguous}
 → Python → List ^{Heterogeneous}
 len() → [True, 1, "A", 2.5]
 arr = [2, 4, 6, 1, 9]
 5 → 165 → 20 to 4
 0 1 2 3 4 → positions
 pos = i + 1

Array Pointers →
 arr = 1, 2, 3, 4, 5
 ↓
 100
 arr[0]