Difference b/w Array & structure:-

ARRAY	STRUCTURE
(i) Array is a collection of homogeneous data.	(i) structure is a collection of heterogeneous data.
(ii) Array data are accessed using index.	(ii) structure elements are accessed using operator.
(iii) Array allocates static memory.	(iii) Structures allocates dynamic memory.
(iv) Array element access takes less time than structure.	(v) structure elements takes more time than array.

STRUCTURE	POINTERS
→ structure in c refer to a collection of various data types for ex. you create a structure named student. which contains his name, roll no, dob etc	→ pointers refers to address in c. & symbol is used to point some particular place in c memory.

STRUCTURE	UNION
1. for defining structure use struct keyword.	1. for defining union we use union keyword.

ex.- struct student

```
{ int roll_no;
  char name[50];
  float per;
};
```

ex.- union student

```
{ int roll_no;
  char name[50];
  float per;
};
```

2. Structure occupies more memory space than union.	2. Union occupies less memory space than structure.
In above ex:- 8 + 50 + 4 = 56 bytes.	50 bytes (max. data member's size).
3. In structure we can access all members of structure at a time.	3. In union we can access only one member of union at a time.
4. Structure allocates separate storage space for its every member.	4. Union allocates one common storage space for its all members. union find which member need more memory than other member. then it allocates that much space.