COMPETITIVE PROGRAMMING: PROBLEM 3: AIM: Find the intersection of two sorted arrays. OR in other words, Given 2 sorted arrays, find all the elements which occur in both the arrays. CODE: #include <stdio.h> #define MAX 1000 void findIntersection(int arr1[], int n1, int arr2[], int n2) { int i = 0, j = 0; while $(i < n1 \&\& j < n2) \{$ if (arr1[i] == arr2[j]) { printf("%d ", arr1[i]); i++; j++;

} else if (arr1[i] < arr2[j]) {</pre>

i++;

} else {

j++;

```
}
  }
  printf("\n");
}
int main() {
  int T, n1, n2;
  int arr1[MAX], arr2[MAX];
  scanf("%d", &T);
  for (int t = 0; t < T; t++) {
    scanf("%d", &n1);
    for (int i = 0; i < n1; i++) {
      scanf("%d", &arr1[i]);
    }
    scanf("%d", &n2);
    for (int i = 0; i < n2; i++) {
       scanf("%d", &arr2[i]);
    }
```

```
findIntersection(arr1, n1, arr2, n2);
}
return 0;
}
```

INPUT AND OUTPUT:

	Input	Expected	Got	
*	1 3 10 17 57 6 2 7 10 15 57 246	10 57	10 57	*
~	1 6 1 2 3 4 5 6 2 1 6	16	1 6	~