

2K20/C0/72 Ankit Kumar

Q1.

```
void sortDescending(int a[], int n1, int b[], int n2, int res[]) {  
  
    int i = n1 - 1, j = n2 - 1, k = 0;  
  
    while (i >= 0 && j >= 0) {  
        if (a[i] > b[j])  
            res[k++] = a[i--];  
        else  
            res[k++] = b[j--];  
    }  
    while (i >= 0)  
        res[k++] = a[i--];  
  
    while (j >= 0)  
        res[k++] = b[j--];  
}
```

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Q2.

```
void printReverse(int *a, int startIndex, int endIndex) {  
    if (startIndex > endIndex) {  
        return;  
    }  
    printReverse(a + 1, startIndex + 1, endIndex);  
    printf("%d", a[0]);  
}  
//Call from main:  
  
printReverse(a, 0, 5);
```

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Q3.

```
int isuppertriangular(struct sparse s[]) {  
    int i = 1;  
    for (i = 1; i <= s[0].value; i++) {  
        if (s[i].row > s[i].col) {  
            return 0;  
        }  
    }  
    return 1;  
}
```

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