Problem 1:

Given two character strings s1 and s2. Write a function in C to find out whether string s2 is a substring of s1. The strings are ended with ‘\0’. The function returns s2’s position in s1 if s2 is a substring. Otherwise, return -1.

```c
int string_compare(char *s1, char *s2)
{
    char *p1, *p2;
    int pos = 0;
    int found;

    if (s1 == NULL || s2 == NULL)
        return -1;

    while (*s1 != '\0') {
        p1 = s1;
        p2 = s2;
        found = 1;
        while (*p1 != '\0' && *p2 != '\0') {
            if (*p1 != *p2) {
                found = 0;
                break;
            }
            p1++;
            p2++;
        }
        if (found)
            if (*p2 == '\0')
                pos++;
        s1++;
    }
    return -1;
}
```

Problem 2:

‘data’ is integer array with n elements. Write a function in C that sorts the elements in the array in an ascending order. The sorted elements should be stored in the same array.

```c
void sorting(int *data, int n)
{
    int i, j, temp;

    for (i = (n - 1); i >= 0; i--)
    {
        for (j = 1; j <= i; j++)
        {
            if (data[j-1] > data[j])
            {
                temp = data[j-1];
                data[j-1] = data[j];
                data[j] = temp;
            }
        }
    }
}
```