1. Write a program to give the following output for the given input

2. Write a program to sort the elements in odd positions in descending order and elements in ascending order

```
Eg 1: Input: 13,2 4,15,12,10,5

Output: 13,2,12,10,5,15,4

Eg 2: Input: 1,2,3,4,5,6,7,8,9

Output: 9,2,7,4,5,6,3,8,1
```

3. Write a program to print the following output for the given input. You can assume the string is of odd length

```
Eg 1: Input: 12345
        Output:
         5
1
  2
      4
    3
  2 4
1
        5
Eg 2: Input: geeksforgeeks
          Output:
                              S
g
  e
                            k
    e
                         е
       k
                       e
         S
                     g
           f
               0
           f
                  r
                     g
       k
    e
                             k
  e
g
                               S
```

4. Find if a String2 is substring of String1. If it is, return the index of the first occurrence. else return -1.

```
Eg 1:Input:

String 1: test123string

String 2: 123

Output: 4

Eg 2: Input:

String 1: testing12

String 2: 1234

Output: -1
```

5. Given two sorted arrays, merge them such that the elements are not repeated

```
Eg 1: Input:

Array 1: 2,4,5,6,7,9,10,13

Array 2: 2,3,4,5,6,7,8,9,11,15

Output:

Merged array: 2,3,4,5,6,7,8,9,10,11,13,15
```

6. Using Recursion reverse the string such as

```
Eg 1: Input: one two three
Output: three two one
Eg 2: Input: I love india
Output: india love I
```