String assignments

Q1) WAP to reverse the String without using 2nd String.

Q2) WAP to implement trim() without using predefined trim().

Q3) WAP to replace abusive words from the given String.

      For example

            String msg = "Hello dog, how are you idiot";

            Output : Hello ###, how are you #####

 Q4) WAP to compress the String like.

      String str = "aaabbccccdd";

      Output = a3b2c4d2

Q5) Solve Q5 using hashmap. *(understanding of collection is mandatory)*

Q6) WAP to remove duplicate elements from an array.
   a. With using 2nd array.
   b. Without using 2nd array.

Q7)WAP to find anagram Strings.
   a. With using String methods.
   b. Usings Arrays class.
   c. Without using String methods but using custom class as below.

```
class MyLetter{
        char ch;
        int count;

        //override equals method
}
```

   d. Without using String methods. *(using Hashmap)*

Q8) WAP to validate email address without using regex.

Q9) WAP to validate Date input (as String) in below mentioned formats without and with using regex.
   a) dd/mm/yyyy
   b) mm/dd/yyyy
   c) yyyy-dd-mm
   d) dd.mm.yy