Comment Removal

Given a piece of code, the task is to remove all the comments from the code.

Note:

Comments formats can be " /*...*/ " and " //... \n".

Comments cannot be nested.

Example 1:

```
Input:
code =
#include int main(int *argc,char **argv)
{ // First line of code\n
printf("Hello World!!! "); return 0; }
Output:
#include int main(int *argc,char **argv)
{  printf("Hello World!!! "); return 0; }
Explanation: Removed the commented area
starting with // and ending with \n.
```

Example 2:

```
Input:
code =
#include int main(int *argc,char **argv)
{ /* First line of code Printing
Hello World */
printf("Hello World!!! "); return 0; }
Output:
#include int main(int *argc,char **argv)
{  printf("Hello World!!! "); return 0; }
Explanation: Removed the commented area
starting with /* and ending with */.
```

Your Task:

You don't need to read input or print anything. Your task is to complete the function **removeComments()** which takes the string of code as input and **returns** the updated string of code after removing all the comments from it.

Expected Time Complexity: O(|code|)
Expected Auxiliary Space: O(1).

Constraints:

4 <= |code| <= 100000

|code| denotes the length of the string code.