Write a Program to Remove brackets from an algebraic expression

Description

Get an algebraic expression as input from the user and then remove all the brackets in that.

Input

7x+(2*y)

Output

7x+2*y

C Program

```c
#include<stdio.h>
#include<string.h>
int main()
{
    char str1[50], str2[50];
    printf("Enter a string: ");
    scanf("%s",str1);
    int i=0, j=0 ;
    while(str1[i] != '\0')
    {
        if(str1[i] != '(' &&  str1[i] != ')')
        {
            str2[j++] = str1[i];
        }
        i++;
    }
```

```
    str2[j] = '\0';

    printf("%s", str2);

    return 0;

}
```

C++ Program

```cpp
#include<iostream>

#include<string.h>

using namespace std;

int main()

{

    char str1[50], str2[50];

    cout<<"Enter a string: ";

    cin>>str1;

    int i=0, j=0 ;

    while(str1[i] !='\0')

    {

        if(str1[i] !='(' &&  str1[i] !=')')

        {

            str2[j++] = str1[i];

        }

        i++;

    }

    str2[j] = '\0';

    cout<<str2;

    return 0;

}
```

Java

```java
import java.util.Scanner;

public class Main {

public static void main(String[] args) {

    Scanner sc = new Scanner(System.in);

    System.out.print("Enter algebraic expression: ");

    String str = sc.nextLine();

    String newstr = str.replaceAll("[(){}]","");

    System.out.println("Expression without brackets : "+newstr);

 }

}
```

Python

```python
str1=input('Enter an algebraic equation: ')

str2=''

for i in str1:

    if ord(i) == 41 or ord(i) == 40 or ord(i) == 91 or ord(i) == 93 or ord(i) == 123 or ord(i) == 125:

        pass

    else:

        str2=str2+i

print(str2)
```