#include<iostream>

using namesoace std;

permute(string x, int y, int z)

{

if (y == z)

cout<<x<<endl;

else

{

for (int i = y; i <= z; i++)

{

swap(x[y], x[i]);

permute(x, y+1, z);

swap(x[y], x[i]);

}

}

}

int main()

{

string str = "ABC";

int n = str.size();

permute(str, 0, n-1);

return 0;

}