```cpp
// A simple C++ program to generate all rotations
// of a given string
#include<bits/stdc++.h>
using namespace std;

// Print all the rotated string.
void printRotatedString(char str[])
{
    int len = strlen(str);

    // Generate all rotations one by one and print
    char temp[len];
    for (int i = 0; i < len; i++)
    {
        int j = i; // Current index in str
        int k = 0; // Current index in temp

        // Copying the second part from the point
        // of rotation.
        while (str[j] != '\0')
        {
            temp[k] = str[j];
            k++;
            j++;
        }

        // Copying the first part from the point
        // of rotation.
        j = 0;
        while (j < i)
        {
            temp[k] = str[j];
            j++;
            k++;
        }


        printf("%s\n", temp);
    }
}

// Driven Program
int main()
{
    int n;
    cin>>n;
    char str[n];
    cin.ignore(n+1,'\n');
    cin.getline(str,n);
    printRotatedString(str);
    return 0;
}

// _OutPut-
```

```
// 6
// siddhi
// siddh
// iddhs
// ddhsi
// dhsid
// hsidd
```