Algorithm 1

```python
def PrintPattern(n):
    if n==0:
        return
    print(n,end=" ")
    PrintPattern(n-1)
def Pattern(n):
    if n==0:
        return
    else:
        PrintPattern(n)
        print('\n')
        Pattern(n-1)
n=int(input('Enter the value of n : '))
Pattern(n)
```

Algorithm 2

```c
#include<stdio.h>

int mstrindex(char src[],char srcfor[]);

int main(void)
{
    char String[] = "Ankitgadling";
```

```c
    char Substring[] = "in";

    int found;

    found = mstrindex(String, Substring);

    printf("Rightmost occurrence of substring in the source string: %d\n", found);
}


int mstrindex(char s[],char t[])
{
    int i,j,k, result;

    result = -1;

    for(i=0;s[i]!='\0';i++)
    {
        for(j=i,k=0;t[k]!='\0' && s[j]==t[k];j++,k++) ;
        if(k>0 && t[k] == '\0')
            result = i;
    }
    return result;
}
```