

```
#include<stdio.h>

#include<conio.h>

#include<string.h>

void HamLeft(char s[100], int &l);
void HamRight(char s[100], int &r);
void HamMid(char s[],int &vtbatdau,int &sophantu);
int main()
{
    char s[100];
    int l,r, vtbatdau, sophantu;
    printf("\n Nhap vao chuoi s can xu ly");
    gets(s);
    HamLeft(s,l);
    HamRight(s,r);
    HamMid(s,vtbatdau,sophantu);
    getch();
    return 0;
}
```

```

void HamLeft(char s[], int &l)
{
    char chuoicon[100];
    printf("\n Nhap vao so ky tu can cat tu trai
qua ");
    scanf("%d",&l);
    for(int i=0;i<l;i++)
        chuoicon[i]=s[i];
    chuoicon[l]='\0'; // ket thuc chuoi con tao vi
tri l
    // xuat chuoi con vua cat
    puts(chuoicon);
}

void HamRight(char s[], int &r)
{
    char chuoicon[100];
    int dem=0, n =strlen(s);
    printf("\n Nhap vao so ky tu can cat tu phai
qua ");scanf("%d",&r);
    for(int i=n-r;i<n;i++)

```

```

    {
        chuoicon[dem]=s[i];
        dem++;
    }

    chuoicon[dem]='\0';

    // xuat chuoicon cat tu ben phai
    puts(chuoicon);
}

void HamMid(char s[],int &vtbatdau,int &sophantu)
{
    int len, i;
    char chuoicon[100];
    printf("\n Nhap vao vi tri muon cat: ");
    scanf("%d",&vtbatdau);
    printf("\n Nhap vao so phan tu muon cat: ");
    scanf("%d",&sophantu);
    len = strlen(s);
    if(vtbatdau<0||sophantu<=0||vtbatdau+sophantu>l
en)

        return;

```

```
for(i=0; i<sophantu; i++)  
    chuoicon[i] = s[vtbatdau+i];  
chuoicon[i]='\0';  
  
// xuất chuỗi cat từ vị trí start cat count  
phan tu  
puts(chuoicon);  
  
}
```