#include<stdio.h>

#include<string.h>

int main()

{

    char s[100];

    printf("enter a string");

    scanf("%s",s);

    int ml=1;int start=0;

    int l,h;

    int n=strlen(s);

    for(int i=1;i<n;++i)

    {

        l=i-1;

        h=i+1;

        while(l>=0 &&h<n && s[l]==s[h])

        {

            if(h-l+1>ml)

            {

                start=l;

                ml=h-l+1;

            }

            --l;

            ++h;

        }

        l=i-1;

        h=i;

        while(l>=0&&h<n&&s[l]==s[h])

        {

            if(h-l+1>ml)

            {

                start=l;

                ml=h-l+1;

            }

            --l;

            ++h;

        }

    }

    int end=start+ml-1;

    for(int i=start;i<=end;++i)

    {

        printf("%c",s[i]);

    }

}

result:

enter a string sampleelephant

leel