Write a menu driven program to perform various string operations without using library function and using pointers

1. Copy
2. Reversing
3. Palindrome

A string that reads the same backwards as well as forward.

1. Concatenation

When you concatenate two strings, you join them together.

1. Find occurrence substring

You are given a string and a word your task is to count the number of the occurrence of the given word in the string and print the number of occurrence of the word.

**Without using library functions**

#include<stdio.h>

#include<string.h>

void main()

{

char s1[10],s2[10],s3[10];

int c,i=0,j,length=0,begin,middle,end;

while(1)

{

printf("\n1.Copy\n");

printf("\n2.Reverse\n");

printf("\n3.Palindrome\n");

printf("\n4.Concatenation\n");

printf(“\n5.Find occurence of substring\n”);

printf("\nEnter a choice:\n");

scanf("%d",&c);

switch(c)

{

case 1:printf("\nEnter first string:\n");

scanf("%s",s1);

printf("\nEnter second string:\n");

scanf("%s",s2);

while(s2[i]!='\0')

{

s1[i]=s2[i];

i++;

}

s1[i]='\0';

printf("%s",s2);

break;

case 2:printf("\nEnter string:\n");

scanf("%s",s1);

while(s1[i]!='\0')

{

length=length+1;

i++;

}

for(i=length-1;i>=0;i--)

{

printf("%c",s1[i]);

}

break;

case 3:printf("\nEnter first string:\n");

scanf("%s",s1);

gets(s1);

while(s1[length]!='\0')

{

length++;

end=length-1;

middle=length/2;

}

for(begin=0;begin<middle;begin++)

{

if (s1[begin]!=s1[end] )

{

printf("Not a palindrome.\n");

break;

}

end--;

}

if(begin==middle)

{

printf("Palindrome.\n");

}

break;

case 4:printf("\nEnter first string:\n");

scanf("%s",s1);

printf("\nEnter second string:\n");

scanf("%s",s2);

for(i=0;s1[i]!='\0';i++)

{

s3[i]=s1[i];

}

s3[i]='\0';

for(j=0;j<=i;j++)

{

s3[i+j]=s2[j];

}

printf("Concatenation of string is %s",s3);

break;

case 5:printf(“\nEnter a string:\n”);

scanf(“%s”,s1);

printf(“\nEnter the word you want to find occurence:\n”);

default:printf("\nEnter choice again:\n");

}

}

return 0;

}

**Using pointers**