**Name : AJAKAYE JADESOLA STELLA**

**MATRIC NUMBER : 18/SCI01/010**

**COURSE CODE : CSC 206**

**QUESTION:**

1. Given two strings str1 and str2: Str1 : “ Department of Mathematical and Physical Sciences”. Str2: “ Computer Programming II”.

i) Concatenate not more than n characters ( n should be 8) of string 2 into string 1. ii) Convert the second string to uppercase iii) Find the length of the first string .

 b) Given two strings str1 and str2: Str1 : “ I am a member of COSSA”. Str2: “ I am a member of NACOSS ”.

i) Copy up to n character of string 1 into string 2 ii) Reverse string iii) Compare string1 and string2 lexographically with by a specific character.

c) Given three strings : str1, str2, str3 Str1:” Do you really want to be a good programmer?”, Str2: “ Then you must love programming “ Str3:” Can you join me to program”

i) Convert string 1 to lowercase ii) Compare string 1 and string 2 iii) Find the first occurrence of ‘m’ in string3

d) Write a C program for these given strings Str1:”NIGERIA” Str2: “Nigeria NIGERIA niger

a) Compare the two strings b) Compare at most n characters of the two strings c) Use strnset() to replace specified characters in this string

**A)i)**

#include<stdio.h>

#include<string.h>

int main()

{

char str1[100]="Department of Mathematics and Physical Science";

char str2[100]="CompUter PROGRAMMINg II";

char \*result;

result=strncat(str1,str2,8);

printf(" Concatenation result is:%s\n",result);

return 0;

}



A**ii**

#include<stdio.h>

#include<string.h>

int main()

{

char str1[100]="Department of Mathematics and Physical Science";

 char str2[100]="CompUterPROGRAMMINg II";

char \*uppercase;

uppercase=strupr(str2);

printf("uppercase of str2 is:%s\n",uppercase);

return 0;

}



**A)iii)**

#include<stdio.h>

 #include<string.h>

int main()

 {

char str1[100]="Department of Mathematics and Physical Science";

 char str2[100]="CompUterPROGRAMMINg II";

int l;

 l=strlen(str1);

printf("length of the string=%d",l);

getch();

 }



**B)i)**

#include<stdio.h>

 #include<string.h>

int main()

{

 char str1[50]=" I am a Member of COSSA";

 char str2[50]=" I am also a MEMBER of NACOSS";

char \*result;

result=strncpy(str2,str1,23);

printf("result is:%s\n",result);

return 0;

}



**B)ii)**

#include<stdio.h>

#include<string.h>

int main()

{

char str1[50]=" I am a Member of COSSA";

char str2[50]=" I am also a MEMBER of NACOSS";

char \*result;

result=strrev(str2);

printf("result after reverse is:%s",result);

return 0;

}



**B)iii)**

#include<stdio.h>

#include<string.h>

int main(){

 char string1[ ] =" I am a member of COSSA";

 char string2[ ] =" I am a member of NACOSS";

 strncpy( string2,string1 ,12);

 printf("(i) copied string is : %s ", string2);

 strrev(string2);

 printf("\n\n(ii) reverse of string2 is: %s", string2);

 if (strcmp(string1,string2)==0)

 {

 printf("\n\n(iii)string1 and string2 are equal");

 }

 else {

 printf("\n\n(iii)string1 and string2 are different");

 }

 return 0;

}



**C)i)**

#include<stdio.h>

#include<string.h>

int main()

{

 char str1[100]=" Do you really WANT to be a gOOd Programmer";

 char str2[100]=" Then you must LOVE PROgraMMing";

char str3[100]=" Can you join me program?";

char \*result;

result=strlwr(str1);

printf("result is:%s\n",result);

return 0;

}



**C)ii)**

#include<stdio.h>

#include<string.h>

int main()

{

 char str1[ ]=" NIGERIA";

 char str2[ ]=" Nigeria NIGRIA niger";

int \*result;

if (strcmp(str1,str2)==0)

 {

 printf("str1 and str2 are equal");

 }

 else {

 printf("str1 and str2 are different");

 }

 return 0;

}



**C)iii)**

#include<stdio.h>

#include<string.h>

int main()

{

 char str1[100]=" Do you really WANT to be a gOOd Programmer";

 char str2[100]=" Then you must LOVE PROgraMMing";

char str3[100]=" Can you join me program?";

char e='m';

char \*result;

result=strchr(str3,e);

printf("result is:%s\n",result);

return 0;

}



**D)a)**

#include<stdio.h>

#include<string.h>

int main()

{

 char str1[ ]=" NIGERIA";

 char str2[ ]=" Nigeria NIGRIA niger";

int \*result;

if (strcmp(str1,str2)==0)

 {

 printf("str1 and str2 are equal");

 }

 else {

 printf("str1 and str2 are different");

 }

 return 0;

}



**D)b)**

#include<stdio.h>

#include<string.h>

int main(){

 char str1[ ]=" NIGERIA";

 char str2[ ]=" Nigeria NIGERIAniger";

int \*result;

if (strncmp(str1,str2 ,1)==0)

 {

 printf("str1 and str2 are equal");

 }

 else {

 printf("str1 and str2 are different");

 }

 return 0;

}



**D)c)**

#include<stdio.h>

#include<string.h>

int main(){

 char str1[50]=" NIGERIA";

 char str2[50]=" Nigeria NIGERIAniger";

char \*result;

result=strnset(str2,'$',18);

printf("result is:%s\n",result);

return 0;

}

****