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**Matric No: 18/SMS06/003**

**Course Code: CSC206**

**Title: String**

#include <stdio.h>

#include <stdlib.h>

#include<string.h>

**ai.)**

int main()

{

 char str1[123]="department of mathematical and physical science";

 char str2[100]="computer PROGRAMMINgII";

int l;

 strncat(str1, str2,8 );

 printf("concatenated string: %s\n", &str1);

**aii.)**

printf("%s\n", str2);

 strupr(str2);

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

aiii.)

length= strlen("str1");

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

return 0;

}

**bi.)**

#include <stdio.h>

#include <stdlib.h>

#include<string.h>

int main()

{

 char str1[100]="i am a MEMBER of COSSA";

 char str2[100]="i am also a MEMBER of NACOSS";

 **bii.)**

 strcpy(str1,str2);

 printf("result: %s\n", str1);

 strrev(str2);

 printf("result of reversed string; %s", str2);

 biii)

strcmp(str1,str2);

if(str1==str2){

 printf("both strings are equal");

 }else if(str1<str2) {

 printf("first string is lexicographically smaller than second string");

 }else {

 printf("first string is lexicographically greater than second");

}

Return 0;

**c.)**

#include <stdio.h>

#include <stdlib.h>

#include<string.h>

int main()

{

 char \*m;

 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 to program?";

ci.)

strlwr(str1);

 printf("lower case of str1: %s\n", str1);

cii.)

m= strchr(str3,'m');

 if(m == NULL){

 printf("character is not found");

 }else{

 printf("character is %c at location %p\n", \*m,m);

 }

 return 0;

}

**d.)**

#include <stdio.h>

#include <stdlib.h>

#include<string.h>

int main()

{

 int i;

 char str1[100]="NIGERIA";

 char str2[100]="Nigeria NIGERIA niger";

 char original;

 char replace;

 replace=strcmp(str1,str2);

 if(replace=1){

 printf("both strings are equal");

}else {

printf("print no match found");

}

dii.)

printf("the string after strset is = %s ", strnset(str2, '\*', 5));

return 0;

}