**Nwabueze precious akunna**

**18/sci01/055**

**Csc206**

**Questions**

**a) 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 also a MEMBER of NACOSS”; i. Copy up to n characters of string 1 into string 2. ii. Reverse string 2. iii. Compare string 1 and string 2 lexographically with by a specific character c) Given three strings: str1, str2 and 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 string1 and string2. 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**

**Answers**

**#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 length;**

**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", length);**

**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;**

**}**