1.

ii

#include <ctype.h>

int main(){

int i = 0;

char str1[] = "Department of Mathematical and Physical Sciences\n";

char str2[] = "compUter PROGRAMMINg II\n";

char chr;

while (str2[i]){

chr = str2[i];

printf ("%c", toupper(chr));

i++;

}

return 0;

}

iii

#include <stdio.h>

#include <stdlib.h>

#include <ctype.h>

#include <string.h>

int main(){

char str1[] = "Department of Mathematical and Physical Sciences\n";

char str2[] = "compUter PROGRAMMINg II\n";

int i;

for (i = 0; str1[i] != '\0'; ++i);

printf("Length of the string = %d\n", i);

return 0;

}

2.

ii.

#include <stdio.h>

#include <stdlib.h>

#include <ctype.h>

#include <string.h>

int main(){

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

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

strrev(str2);

printf ("%s", str2);

return 0;

}

3.

i

#include <stdio.h>

#include <stdlib.h>

#include <ctype.h>

#include <string.h>

int main(){

int i = 0;

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

char str2[] = "Then you must LOVE PROgraMMIng";

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

char chr;

while (str1[i]){

chr = str1[i];

printf ("%c", tolower(chr));

i++;

}

return 0;

}

ii

#include <stdio.h>

#include <stdlib.h>

#include <ctype.h>

#include <string.h>

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

char str2[] = "Then you must LOVE PROgraMMIng";

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

int result;

result = strcmp(str1, str2);

printf("%d\n", result);

return 0;

}

iii

4.

a.

#include <stdio.h>

#include <stdlib.h>

#include <ctype.h>

#include <string.h>

int main(){

char str1[] = "NIGERIA";

char str2[] = "Nigeria NIGERIA niger";

char chr;

int result;

result = strcmp(str1, str2);

printf("%d\n", result);

return 0;

}