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Maric no: 18/sci01/013

```
#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);
```

a ii.)

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

```
   strupr(str2);
```

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

a iii.)

```
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;
}

```