

11.(c)TO REPLACE A STRING WITH ANOTHER STRING

Aim:

To write a c program to replace a string with another string.

Algorithm:

Step 1:Start the program

Step 2:get the sentence

Step 3:get the string that needs to be replaced with another string.

Step 4:replace the string and print the result

Step 5:stop the program.

Program coding:

```
#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include<conio.h>

char *replacew(const char *s,const char *oldW,const char *newW)

{char *result;

int i,cnt=0;

int newWlen=strlen(newW);

int oldWlen=strlen(oldW);

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

{

if(strstr(&s[i],oldW)==&s[i])

{cnt++;

i+=oldWlen-1;

}

}

result=(char*)malloc(i+cnt*(newWlen-oldWlen)+1);

i=0;

while(*s)

{
```

```

if(strstr(s,oldW)==s)
{strcpy(&result[i],newW);
i+=newWlen;
s+=oldWlen;
}
else
result[i++]=*s++;
}
result[i]='\0';
return result;
}

int main()
{char str[]="xxforxx";
char c[]="xx";
char d[]="geeks";
char *result=NULL;
clrscr();
printf("old string:%s\n",str);
result=replacew(str,c,d);
printf("new string:%s\n",result);
free(result);
getch();
return 0;
}

```

Output:

```
old string:xxforxx  
new string:geeksforgeeks  
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```