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2020BTEIT0050

Course- PC

Converting the given sentence into 'Alternate (upper/lower) case text' (e.g. type ->
TyPe) SEQUENTIAL

```
#include<stdlib.h>
```

```
#include<stdio.h>
```

```
#include<ctype.h>
```

```
int main(){
```

```
    char s[100];
```

```
    printf("Enter a sentence");
```

```
    fgets(s, sizeof(s),stdin);
```

```
    int uppercase = 1;
```

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

```
        if(isalpha(s[i])){
```

```
            if(uppercase){
```

```
                s[i] = toupper(s[i]);
```

```
            }else{
```

```
                s[i] = tolower(s[i]);
```

```
            }
```

```
        }
```

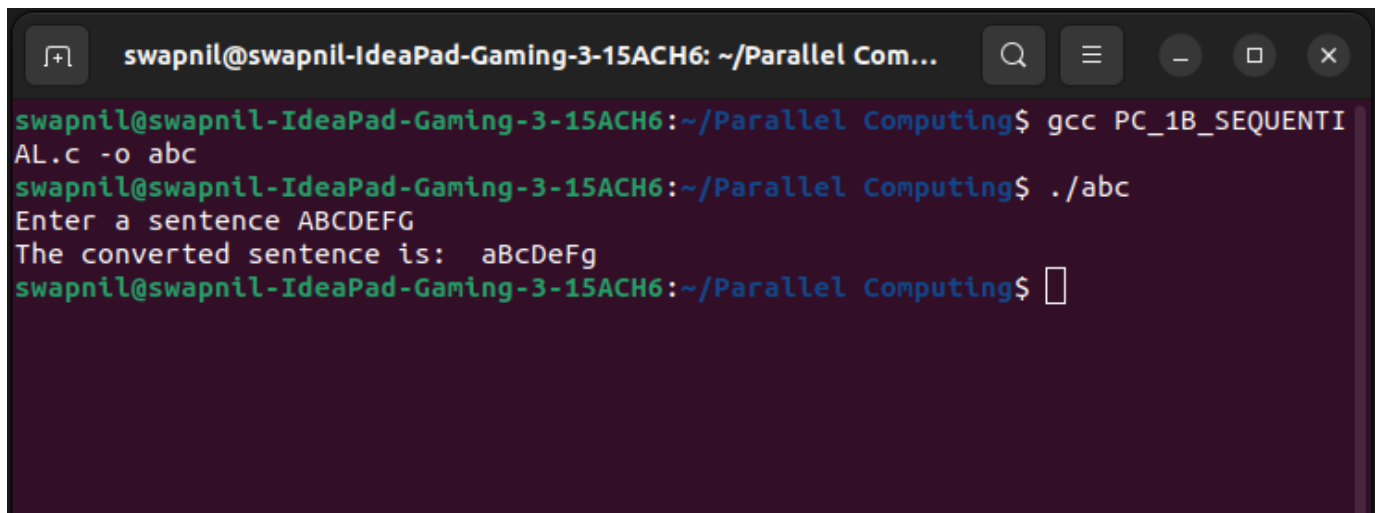
```
        uppercase = !uppercase;
```

```
    }
```

```
    printf("The converted sentence is: %s",s);
```

```
}
```

OUTPUT :



```
swapnil@swapnil-IdeaPad-Gaming-3-15ACH6: ~/Parallel Computing$ gcc PC_1B_SEQUENTIAL.c -o abc
swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing$ ./abc
Enter a sentence ABCDEFG
The converted sentence is:  aBcDeFg
swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing$
```

The image shows a terminal window with a dark background. The window title is "swapnil@swapnil-IdeaPad-Gaming-3-15ACH6: ~/Parallel Computing...". The prompt is "swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing\$". The user enters the command "gcc PC_1B_SEQUENTIAL.c -o abc". The prompt changes to "swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing\$". The user enters the command "./abc". The program outputs "Enter a sentence ABCDEFG" and "The converted sentence is: aBcDeFg". The prompt returns to "swapnil@swapnil-IdeaPad-Gaming-3-15ACH6:~/Parallel Computing\$".