

```
#include<stdio.h>

#include<stdlib.h>

#include<string.h>

#include<time.h>


int main(){

    char str1[28];

    int i, nonzero;


    srand(time(NULL));


    printf("Enter a string : ");

    gets(str1);


    if(str1[i] >= 'a' && str1[i] <= 'z' || str1[i] >= 'A' && str1[i] <= 'Z'){

        if(str1[i] == 'a' || str1[i] == 'e' || str1[i] == 'i' || str1[i] == 'o' || str1[i] == 'u'){

            nonzero = (rand() % 9) + 1;

            printf("\t%i", nonzero);

        }

        else if(str1[i] == 'A' || str1[i] == 'E' || str1[i] == 'I' || str1[i] == 'O' || str1[i] == 'U'){

            nonzero = (rand() % 9) + 1;

            printf("\t%i", nonzero);

        }

        else if(str1[i] != 'A' || str1[i] != 'E' || str1[i] != 'I' || str1[i] != 'O' || str1[i] != 'U'){

            printf("\t0");

        }

        else if(str1[i] != 'a' || str1[i] != 'e' || str1[i] != 'i' || str1[i] != 'o' || str1[i] != 'u'){

            printf("\t0");

        }

    }

}
```

```
#include<stdio.h>

void caps();

int main(){

    caps();

}

void caps(){
    char str2[28];
    printf("Input a string : ");
    gets(str2);

    for(int i = 0; i < 28; i++){
        if(str2[i] >= 'a' && str2[i] <= 'z')
            str2[i] = str2[i] - 32;
    }
    printf("Output is : %s", str2);
}
```

```
#include<stdio.h>

#include<string.h>


int main(){

    char str3x[28];

    char str3y[28];


    int i = 0;

    printf("First string? ");

    gets(str3x);

    printf("Second string? ");

    gets(str3y);


    if(strcmp(str3x, str3y) == 0)

        printf("%s equal %s", str3x, str3y);

    else if(str3x[i] > str3y[i])

        printf("%s is greater than %s", str3x, str3y);

    else

        printf("%s is greater than %s", str3y, str3x);

}
```

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

```
#include<string.h>
```

```
int main(){
```

```
    char str4[28];
```

```
    int l;
```

```
    printf("Enter a string : ");
```

```
    gets(str4);
```

```
    l = strlen(str4);
```

```
    for(int i = 0; i < l; i++){
```

```
        if(str4[i] >= 'A' && str4[i] <= 'Z')
```

```
            str4[i] = str4[i] + 32;
```

```
    }
```

```
    printf("In lowercase : %s", str4);
```

```
}
```

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

```
#include<string.h>
```

```
int main(){
```

```
    char str5[28];
```

```
    printf("Enter a string : ");
```

```
    gets(str5);
```

```
    int l = strlen(str5);
```

```
    for(int i = 0; i < l; i++){
```

```
        if(str5[i] >= 'a' && str5[i] <= 'z')
```

```
            str5[i] = str5[i] - 32;
```

```
    }
```

```
    printf("In upper : %s", str5);
```

```
}
```

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

```
#include<string.h>
```

```
int main(){
```

```
    char str6[28];
```

```
    printf("Enter a string : ");
```

```
    gets(str6);
```

```
    int l = strlen(str6);
```

```
    for(int i = 0; i < l; i++){
```

```
        if(str6[i] >= 'a' && str6[i] <= 'z')
```

```
            str6[i] = str6[i] - 32;
```

```
        else if(str6[i] >= 'A' && str6[i] <= 'Z')
```

```
            str6[i] = str6[i] + 32;
```

```
    }
```

```
    printf("Toggle : %s", str6);
```

```
}
```

```
#include<stdio.h>

#include<string.h>


int main(){

    char str7[28];

    int l;


    printf("Original String : ");

    gets(str7);


    l = strlen(str7);

    for(int i = 0; i < l; i++){

        if(i == 0){

            if(str7[i] >= 'a' && str7[i] <= 'z')

                str7[i] = str7[i] - 32;

        }

        else if(str7[i - 1] == ' '){

            if(str7[i] >= 'a' && str7[i] <= 'z')

                str7[i] = str7[i] - 32;

        }

    }

    printf("Output : %s", str7);

}
```