

String

- **Declare and Initialization:**

```
#include<stdio.h>
int main()
{
    char s[] = {'a','b','c','\0'};
    printf("%s\n",s);
    puts(s);
    return 0;
}
```

```
#include<stdio.h>
int main()
{
    char s[10],s1[10];
    scanf("%s",&s);
    gets(s1)
    printf("%s\n",s);
    puts(s1);
    return 0;
}
```

```
#include<stdio.h>

int main()
{
    char s[10];
    int n;
    scanf("%d",&n);
    gets(s);
    printf("%d\n",n);
    puts(s);
    return 0;
}
```

- **String function:**

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

int main()
{
    char s[10];
    gets(s);
    char s2[10];
    gets(s2);

    printf("s= %s \ns2= %s \n",s,s2);
    printf("string length of s= %d\n",strlen(s));
```

```
printf("string copy from s to s2 = %s\n",strcpy(s2,s));
printf("string merge both s and s2 = %s\n",strcat(s,s2));
printf("string compare both s and s2 = %d\n",strcmp(s,s2));
return 0;
```

```
}
```

- **Practice:**

1. Convert a string lowercase to uppercase.
2. Check a string is palindrome or not
3. Find highest occurring character from a string.

- **Assignment:**

1. Take your name as reverse input and print it in original order.