

CHARACTER TYPE HANDLING FUNCTIONS => # include < ctype.h >

isalpha ( )      islower ( )      tolower ( )      isprint ( )

isdigit ( )      isupper ( )      toupper ( )

isalnum ( )

EX:-

→ main ( )

```
{ char x;  
  printf ("enter a char");  
  x = getchar ( );  
  if ( isalpha (x) )  
    puts ("alpha");  
  else if ( isdigit (x) )  
    puts ("digit");  
  else  
    puts ("special char");  
}
```

→ main ( )

```
{  
  char x;  
  printf ("enter a char");  
  x = getchar ( );  
  if ( islower (x) )  
    x = toupper (x);  
  else  
    x = tolower (x);  
  putchar (x);  
}
```



→ main()

```
{  
    char a[40];  
    int i;  
    puts ("enter a string:");  
    gets (a);  
    for (i=0; a[i] != '\0'; i++)  
    {  
        if (islower(a[i]))  
            a[i] = toupper(a[i]);  
        else  
            a[i] = tolower(a[i]);  
    }  
    puts (a);  
}
```

O/p:-

enter a string:

aBcDeF

→ AbCdEf