Quiz 02 Think Smart

Write a program that asks the user to enter any character (abc….). The program then tells the user whether he/she has entered the character in lower/upper case. If the user enters the character in upper case convert it into lower case and vice versa. If the user does not enter any valid character from abc, the program prints the message accordingly.

Note: The main point here is that you must think smart. You should not hard code each and every case. Your program should perform some arithmetic operations to do so. There should be only 2-3 if conditions in your code.

Hint: Observe the ASCII table (dec values) given below.

Sample Outputs:

```
Enter a char: A
You entered A in Upper case
After conversion to lower case: a
```

```
Enter a char: h
You entered h in lower case
After conversion to Upper case: H
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```

```
Enter a char: *
You didn't enter a valid character from abc...
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```

Dec	Hex	Char		Dec	Hex	Char
65	41	A		97	61	a
66	42	B		98	62	b
67	43	C		99	63	c
68	44	D		100	64	d
69	45	E		101	65	e
70	46	F		102	66	f
71	47	G		103	67	g
72	48	H		104	68	h
73	49	I		105	69	i
74	4A	J		106	6A	j
75	4B	K		107	6B	k
76	4C	L		108	6C	l
77	4D	M		109	6D	m
78	4E	N		110	6E	n
79	4F	O		111	6F	o
80	50	P		112	70	p
81	51	Q		113	71	q
82	52	R		114	72	r
83	53	S		115	73	s
84	54	T		116	74	t
85	55	U		117	75	u
86	56	V		118	76	v
87	57	W		119	77	w
88	58	X		120	78	x
89	59	Y		121	79	y
90	5A	Z		122	7A	z