

```
PS C:\Users\Lenovo\OneDrive\Documents\GitHub> & C:/Users/lenovo/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/lenovo/OneDrive/Documents/GitHub/bca_python_assignment_1/student_profile.py"
welcome to the student profile console :
enter the full name of the student :Vivan Sethi
enter the roll number of the student :2501060035
enter the program of the student :BCA(AI&DS)
Enter the name of the university :K.R Manglam
enter the city of the student :Delhi
enter the age of the student :17
Enter the hobby of the student :Gaming
enter a number :6
enter a second number :7
arthematic operators

+ operator adds numbers (num1+num2): 13
- operator subtracts the numbers (num1-num2): -1
* operator multiples the number (num1*num2): 42
/ operator divides the number (num1/num2) : 0.8571428571428571
% operator gives the remainder of the number :(num1%num2) 6
** operator is used to give exponential powers to a number (num1**num2) : 279936
// gives the division of the number without its remainder (num1//num2) : 0

assignment operators

+= operator adds any number after the equalto sign to any number (num1+=2) : 8
-= subtracts one from any number (num2-=1) : 6
= operator assigns value to a variable (a=24)

comparision operators
> and < operator compares two values to find the larger and smaller number and returns True or False (num1>num2) : True
<= and >= opertors find if one number is greater than the other number or is equal to it returns True or False (num2>=num1) : False
== operator checks if two numbersare equal to each other or not it returns True or False (num1==num2) : False
```

```
== operator checks if two numbers are equal to each other or not it returns True or False (num1==num2) :  
False
```

Logical operators

```
and operator checks two conditions if both the conditions are true it returns True else it returns False  
(num2>num1 and num1<num2) : False  
or operator checks two conditions if one of the conditions are true it returns True else it returns False  
(num2>num1 or num1<num2) : False  
not operator checks one condition if the condition is true it returns true else it returns False (not  
num1>num2) : False
```

membership operators

```
in and not in check if the number is in a list or tuple (num1 not in [1,2,3,4]) : True  
helloVivan Sethi
```

```
number 1 is 8 and number 2 is 6
```

```
escape character      tab
```

```
escape character
```

```
newline
```

```
THIS IS AN EXAAMPLE FOR STRING FUNCTIONS
```

```
this is an exaample for string functions
```

```
3
```

```
This is an exaample for string functions
```

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this is bn exbbpmle for string functions
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STUDENT PROFILE SYSTEM

```
Name : Vivan Sethi
```

```
Roll NO : 2501060035
```

```
Course : BCA(AI&DS)
```

```
University : K.R Manglam
```

```
City : Delhi
```

```
Age : 17
```

```
Course : BCA(AI&DS)
```

```
University : K.R Manglam
```

```
City : Delhi
```

```
Age : 17
```

```
Hobby : Gaming
```

```
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Welcom to python programming !
```

```
enter y if you want to save the profile and n if you don't want to save the profile :y
```

```
Profile has been saved succesfully !
```

```
PS C:\Users\Lenovo\OneDrive\Documents\GitHub> █
```

≡ save.txt U X

≡ save.txt

```
1 student name :Vivan Sethi
2 | roll number is : 2501060035
3 program is BCA(AI&DS)
4 University : K.R Manglam
5 City is :Delhi
6 hobby is Gaming
```