

```
#!/usr/bin/python3
```

## input and output

### input

in python input() will take input from user until input() instruction program executes normally input() asks user to enter values input will take entered values as is

```
x = int(input('enter the values : '))
```

in the above code if we enter a string with out quotes we will get error

### raw\_input()

raw\_input will convert any entered value to string

```
y = int(input('enter the values : '))
```

in the above code what ever we enter it will not throw any error

### out put

str.format() to format output in Python

```
print('x is {0} and y is {1}'.format(x, y))
```

display the number in the hex or oct or binary format {0:b} --> binary {0:x} --> hexadecimal {0:o} --> octal

```
print('x binary {0:b} and y hexadecimal {1:x}'.format(x, y))
```

####Output String justification str.rjust(), str.ljust() and str.center() to justify text output on screen and console.

```
text = input("Enter String: ")
print("Left justification", text.ljust(60, "*"))
print("Right justification", text.rjust(60, "*"))
print("Center justification", text.center(60, "*"))
```