Md. Delwar Hossen (BSC in CSE) (Diploma in Computer)

Code	Sub. Comment
`Name,Roll,Age=input("Name (,) Roll (,) Your Age:  ").split(",")`	**Multi Input**
`print("Your Name Is {}.Roll {} And Age {}".format(Name,Roll,Age))`	**Output Py3**
`print(f"Your Name Is {Name}.Roll {Roll} And Age {Age}")`	**Output py3.6**
`/`	**Float Division**
`//`	**Integer Division**
`%`	**Mod**
`**`	**Power**

Precedence rule

OPERATORS	PRECEDENCE AND ASSOCIATIVITY RULE
PARENTHESE	HIGHEST
EXPONENT	RIGHT TO LEFT
*,/ , //, %	LEFT TO RIGHT
+, -	LEFT TO RIGHT

Preerdence

This table lists the operator with highest precedence at the top and the lowest precedence at the top.

What is precedence rule?

To evaluate complex expression python follows the rule of precedence, it governs the order in which the operation take place.

EXAMPLE – print(3-1*2)

In this expression there are two operators – **and** * but python will do multiplication before than subtraction because of precedence of multiplication is higher than subtraction.

print(3-1*2) → print(3-2) → print(1) → final output is 1 as shown below.

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Data Type

Data Type

Example	Data Type
x = "Hello World"	str
x = 20	int
x = 20.5	float
x = 1j	complex
x = ["apple", "banana", "cherry"]	list
x = ("apple", "banana", "cherry")	tuple
x = range(6)	range
x = {"name" : "John", "age" : 36}	dict
x = {"apple", "banana", "cherry"}	set
x = frozenset({"apple", "banana", "cherry"})	frozenset
x = True	bool
x = b"Hello"	bytes
x = bytearray(5)	bytearray
x = memoryview(bytes(5))	memoryview

Limit Float No. By Round Funtion

```
print(round(5**.25,4))
print(round(2**0.5,4)
```

Index String

Index String And Number

```
Name=123456
print(Name[Start : End : step])
```

Index String/ Number

```
Num="123456"
print("Number " + str(Num))
#Reverse
print(Num[-1::-1])   #If I Don't Know Length (last -1+,2 Incrase)
print("Delwar Hossen"[::-1])   # Reverse
print(Num[5::-1])    # Count 0-5=6 #(-1) Means 6
print(Num[5:2:-1])

_____________________________________________
output:
Number 123456
654321
654321
```

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Escape Sequences

Escape Sequences

```
print("Name: \n A \t B \\\\ ")
print("Name: \\n A \\t B \\\\ ")  #print Normal Text ES. Seq.
```

```
OutPut:
Name:
 A       B \\
```

Escape sequences	Meaning
\'	single quote
\"	double quote
\\	backslash
\n	new line
\t	tab
\b	backspace

Avoid Escape Seq.

```
print(r"Name: \n A \t B \\\\ ")
```

Function And Method

Length Function

```
Name="Md. Delwar Hossen"
print(len(Name))
```

Count Method

```
Name="Md. Delwar Hossen"
print(Name.count("s"))
```

Lower Case Method

```
Name="Md. Delwar Hossen"
print(Name.lower())
```

Upper Case Method

```
Name="Md. Delwar Hossen"
print(Name.upper())
```

Integer Input

```
Number=int(input("Input Your Number"))
```

String + Integer Not Allow

```
Number=int(input("Input Your Number: "))
print("Number Is: " + str(Number))
```

Multi Duble " " or ' ' Not Allow

```
print("His Name Is 'Delwar Hossen'.")
```

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(Strip/Replace/Find) Method

Left Strip
Rigth Strip
Strip

```
Name="     Md. Delwar Hossen    "
Dots="."
print(Name.lstrip()+Dots)
print(Name.rstrip()+Dots)
print(Name.strip())
```

Replace Method

```
print(Name.replace(" ",""))
```

Perfect Length

```
Name="        Md. Delwar Hossen      "
print(len(Name.replace(" ","")))
```

Perfect Count

```
Name="        Md. Delwar HoSsen ASik     "
print(Name.lower().count("s"))
```

Replace Method

```
text="My name is asik.It is a nice day."
print(text.replace("is","Was"))
```

Find Method

```
P="My Name Is Asik . My Country Is Bangladesh"
P1=(P.lower().find("is"))
print(f'{P1} {P.lower().find("is", P1+1)}')
```

Title Method

```
Name="it was a nice day."
print(Name.title())
```

Center Method

```
Name="Delwar Hossen"
print(Name.center(len(Name)+8,"*"))
```

Python String Immutable

Assignment Operator

```
Name="Delwar"
Name+=" Hossen"
Num=12
Num*=2
print(Name)
print(Num)
```

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Base Command

pwd	(print working Directory)
ls	(See All List On Folder)
Clear	(For Screen Clear)
cd E://	(Change Directory)
mkdir ""	(make Directory Create Folder)
cd Foldername	(open Folder)
touch Filename_With_Extension	(Create a file)
cd ..	(For Back)
cd Pyt (TAB)	(write fast word then tab open folder)
rm "file name"	(Remove File)
rm -rf "Folder name"	(remove folder) (Remove Current Folder)
code "file name.py"	(open file)
python filename.py	(run python)
cd ~	(by default open sell)
mv "oldefilename.type" "newname.type"	(Rename File Or folder)
mv ""file name.type ./foldername	(move file same Directory Folder)
cp ""file name.type" ./foldername	(copy File ../foldername back folder)
old entry code reuse >> Up Arrow	

Path Code

// Git Bash "terminal.integrated.shell.windows": "C:\\Program Files\\Git\\bin\\bash.exe"	**Intregate Git base to vscode**