LEARN PYTHON

CHAPTER-01

<u>**PRINT ESCAPE EMOJI:**</u>

```python
# This is comment
# For printing string we use single quotes or double quotes
print('hello world')
print("hello world")

# Escape sequence:
# Single quotes can be used in between double quotes viceversa not
possible
print("hello\"world\"world")
print('I\'m Abrar')

# Next Line:
print("Line A\nLine B\nLine C")

# Tab:
print("name\tAbrar")

# Use Double \\ to print \
# Use Four \\\\ to print \\
print("This is backslash \\")
print("This is double backslash \\\\")

# To eliminate one alphabet
print("Hell\blo")

# Escape sequence as normal text:
print("Line A \\n Line B")
print("Line A \\t Line B")
# Shortcut: use r before first double quote;
print(r"line A \n Line B")
```

```python
# How to print with backslash:
#\"="
#\\=\
#\\\"=\"

# To output : \" \'
print(" \\\" \\\'  ")

# EXERCISE:01
print("this is \\\\ backslash")
print(r"this is \\ backslash")
# EXERCISE:02
print("these are /\\/\\/\\/\\/\\ mountains")
print(r"these are /\/\/\/\/\ mountains")
# EXERCISE:03
print("he is\tawesome")
# EXERCISE:04
print("\\\" \\n \\t \\\' ")
print(r"\" \n \t \' ")

# Print Emoji:
print("\U0001F602") #CODE FROM unicode.org
```

CALCULATOR:

```python
# OPERATORS:
# + addition
print(2+3)
# - subtraction
print(9-5)
# * multiplication
print(2*3)
# / float division(will get floating point number)
print(2/4)
# // integer division(will not get floating point number)
print(2//4)
# % remainder
print(3%2)
```

```python
# ** exponent(2^3)
print(2**3)
print(2**0.5)

# To get upto four decimal number use round function;
print(round(2**0.5,4))

#PRECEDENCE RULE: parenthese--> exponent--> *,/,//,%(Left to Right) --
>+,-(Left to Right)
print((2+3)*5/2%6)

# For exponent(Right to Left)-->(2^3^2= 2^9)
print(2**3**2)
```

VARIABLE:

```python
# assigning variable with =;

num1=2 #number
print(num1)

name="Abrar" #string
print(name)

# Rules:
#1. can't start with number,$,%: 1number. $name, %abrar
#2. can't use $,%(special symbols) in between variables: ab$rar

# snake case writing: md_abrar_hider
# camel case writing: MdAbrarHaider
```