PYTHON BASIC

(DAY 2)

(IDENTIFIERS)

var = 34

*# here var is identifier , = is assign operator , 34 is value of identifier*

*# rules of naming identifier*

*# A-Z , a-z , 0-9 only these sign allow in the name of identifiers*

*# identifier name can't start with number eg (0-9)*

mohit = 10

print(mohit)

*# identifier names are case sensitive*

age = 25

AGE = 20

Age = 15

*# all three above variables are different due to case sensitivity.*

print(age , AGE , Age)

age = 12

print(age)

*# do not use reserved keywords in naming of variables*

*# print = 2 #here interpreter does't show error because python convert "print" reserved keyword into variable*

*# print(print) #but here interpreter show error because python already convert "print" reserved keyword into variable that's why "print" can't use as reserved keyword*

\_ = 2

print(\_) *# '\_' is valid variable name*

*# in python datatype define is not necessary*

*# types of data types*

*# int*

*# flaot*

*# char*

(DATA TYPES IN PYTHON)

There are following types of data types in python:-

1. Int
2. Char
3. Float
4. String
5. List
6. Tuple
7. Set
8. Dictionary

1. STRING AND STRING METHODS :-

*#<<<<<<string>>>>>>>>>> and <<<<<<<string methods >>>>>>>>>>*

s = "Upflair pvt limited 1233674@# 23.5 0.46" *#double "" and single '' both are valid and same*

st = 'Upflair pvt limited 1233674@# 23.5 0.4'

print(s) *# we can write anything in between "" all are valid*

print(st)

print(type(s))

*# indexing of characters in a string*

*# eg U p f l a i r s ' '*

*# 0 1 2 3 4 5 6 7 8 indexing start from 0 to ...*

*# -9 -8 -7 -6 -5 -4 -3 -2 -1 indexing in negative [negative index = positive index - length of string]*

st = "Upflairs "

print(st[4]) *# it will print 'a'*

print(st[2]) *#it will print 'f'*

print(st[8]) *#it will print ' '*

*# 2. find subset of a string*

print(st[3:7]) *# start from 3 and stop at 6 here 6 include but not 7*

*# st[starting : stop : jump] by default jump == 1*

print(st[:4]) *# start by default is 0*

print(st[3:]) *# stop by default is "till the end"*

print(st[::1]) *# jump is 1 by default*

print(st[::2]) *# jump after every 1 char in string*

print(st[::3]) *# jump after every 2 char in string*

print(st[::-1]) *# fetching string in negative direction output "srialfpU"*

st = "Upflairs pvt limited jaipur rajasthan"

*# print jaipur*

print(st[20:27])

print(st[20-len(st):27-len(st)])

*# length of string*

print(len(st))

*# count iteration of any char or string*

print(st.count('j'))

print(st.count('jaipur'))

print(st.count('Jaipur')) *#'Jaipur' is not present in string but 'jaiput' is present*

*# Upper case all string characters*

print(st.upper())

*# lower case*

st2 = st.upper()

print(st2.lower())

print(st.title())

print(st.capitalize())

*# replace*

print(st.replace('Upflairs','Flipkart'))

print(st.replace('Upflairs','')) *# no word to replace so it remove 'Upflairs'*

print(st.find('u'))

print(st.endswith('s'))

print(st.startswith('u'))

print(st.split('f')) *#The split() method splits the string into substrings if it finds instances of the separator*

print(st.strip()) *# remove extra space from start and end*

*# print(st.center())*