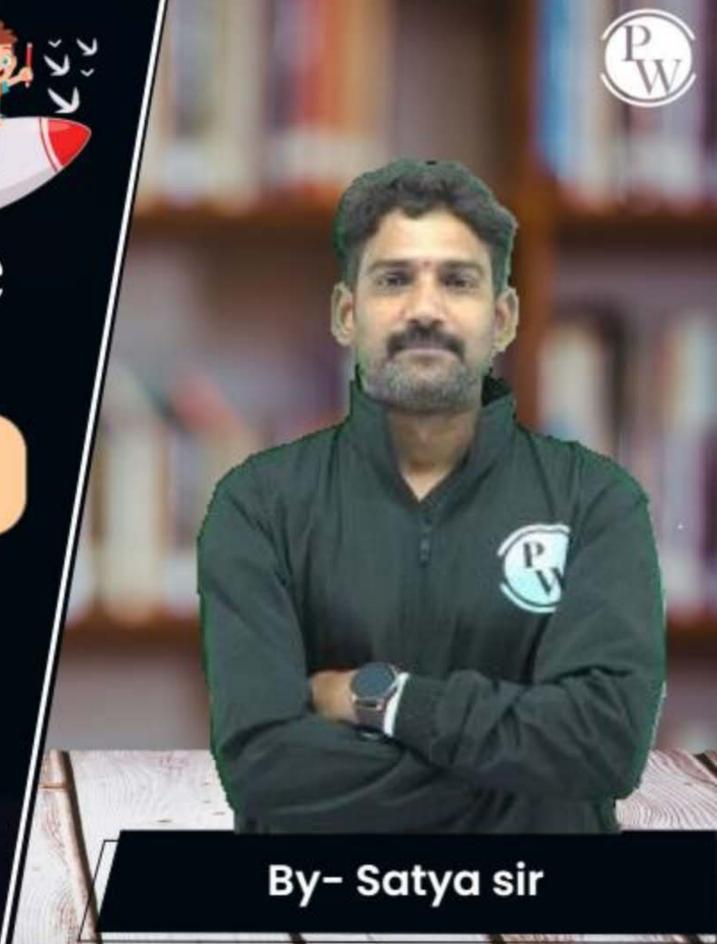
Data Science & Artificial Intelligence

Python for Data Science

Basics of Python

DPP- 01

Discussion Notes



[MCQ]



bound

#Q. The output of below python code segment is _____.

 $f = -2.01/2 \Rightarrow -1.0$

$$a = 5.5$$

$$b = 2.0$$

$$c=2$$

$$d = -2.0$$

$$e=a//b$$

$$f = d // c$$

$$print(e + f)$$

A

C 1.0

B 0.0

C= 5.5/2.0 > 2.75 > sounded off to lower Integer = 2

D -1.0

(Lowest to highest)



- #Q. The ascending order Of Precedence of below Operators is _____.
 - 1. not in
 - 2. <<
 - 3. not
 - 4. ^

not, not an (XOR) (Left shift)

3,1,4,2

- **A** 3, 2, 1, 4
- 3, 1, 4, 2

B 3, 1, 2, 4

D 2, 4, 1, 3

[NAT]



#Q. The result after evaluating the below expression in Python is 2×10^{-3}

$$3//7 = 0$$

 $9+5=9$
 $19+0=19$
 $19-3=16$
 $9-2=9*2$
 $=36$

[MCQ]



- #Q. Match The Following Operators with their associativity.
 - LIST-I

LIST-II

(A) ** (Exponentiation)

1. Left To Right

(B) & (Bitwise AND) -

2. Right To Left

- (C) is not (Identity)
- (D) = (Assignment)

A-2, B-1, C-1, D-2

- A
- A-1, B-2, C-2, D-1

- В
- A-2, B-2, C-1, D-1
- C
- A-2, B-1, C-2, D-2
- D
- A-2, B-1, C-1, D-2

[NAT]



The output of below code segment is $\frac{20}{2}$. #Q. a = 0063 > octal Integer b = a << 2 << operation Performed on Decimal numbers c = a >> 3print(b+c) # 204+6 = 210 3×8+6×8 = 3 + 48= 51 b= 51<< 2= 51*2= 51*4= 204 C= \$1773 = 51 23 = 51 8 = 6

MCQ



What will be printed by below Python Code? #Q.

$$j=128$$
 $j=i \& 152$
 $k=228$ $k=j | 100$

print(k)

= 1+14*16 + 10×256



0xe4

344



#Q. What will be the value of result in the below code?

$$x = 0b(01010110)_{0} = 86$$

$$y = 0x123$$

$$z = 42$$

$$result = x + y - z$$



$$\frac{2}{11}, \frac{1}{2}, \frac{3}{3}$$

 $3 \times 16 + 2 \times 16 + 1 \times 16^{2}$

[MCQ]



#Q. What will be the value of k in the below code?

$$i = -13.5$$

 $j = 5$
 $k = i \% j$
 $print(k)$

a./b when a,b signs are different ==
$$b-(a./b)$$

== $5-(13.5.5)$
== $5-3.5=1.5$

- **A** 0.0
- 3.5

- B / 1.5
- **D** -1.5



THANK - YOU