



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject: Computer Science

Topic: Python Data Types

Work Sheet: #2

Resource Person: Sethu Parvathi C

Date: _____

Name of the Student : _____

Class: XI A

Roll Number : ____

1. Predict the output of the following code fragments:

- A) `print(len('abc'))`
`print(len('\\'))`
`print(len("Neha\\'s"))`
- B) `12/4`
`14//4`
`14%4`
`14.0/4`
`14.0//4`
`14.0%4`
- C) i. `x , y = 7 , 2`
`x , y , x = x+1 , y+3, x+10`
`print(x,y)`
- ii. `a, b = 10.2, 3.0`
`a, b = b, a+2`
- D) `type(0)`
`type(int(0))`
`type(float(8))`
`type(int('0'))`
`type(3/2)`
`type(3//2)`
- E) `a, b, c, d = 3, -9, 2.0, 4`
`a+b < b+c-a+d`
`len(str(a>b)) == len(str(bool(1)))`
- F) `a,b,c=1,1,2`
`d=a+b`
`e=1.0`
`f=1.0`
`g=2.0`
`h=e+f`
`print(c==d)`
`print(c is d)`
`print(g==h)`
`print(g is not h)`

- G) `a,b,c=0.1`
`d=0.3`
`e=a+b+c-d`
`f=a+b+c==d`
`print(e)`
`print(f)`
- H) `a=12`
`b=7.4`
`c=1`
`a-=b`
`print(a,b)`
`a*=2+c`
`print(a)`
`b+=a*c`
`print(b)`
- I) `(5<10)and (10<5)or(3<18)and not 8<18`
- J) `num=70`
`z=49`
`result=2+z*z**0.5+num//z`
`print(result)`
- K) `Print("My", "name", "is", "Amith")` #automatically space inserted
`Print("My", "name", "is", "Amith", sep='...')` #given separator inserted
`Print("My", "name", "is", "Amith", sep='###')`
- L) `Print("My name is Neha")`
`Print("I am 16 years old")`
- M) `Print("My name is Neha \n I am 16 years old")` # new line character
- N) `Print("I am Neha", end=' ')` #explicitly given an end argument with space
`Print("I am 16 years old")`
- O) `Print("My name is Neha", end=' %%%')`
`Print("I am 16 years old")`

2. Find the errors in the following code. Suggest a solution.

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A) <code>print("My name is", name)</code></p> <p>B) <code>age=10</code>
 <code>print(Age)</code></p> <p>C) <code>a=3</code>
 <code>print(a)</code>
 <code>b=4</code>
 <code>print(b)</code></p> | <p>D) <code>name= "Ram"</code>
 <code>age=14</code>
 <code>print("Your name and age are",
 name + age)</code></p> <p>E) <code>x= [1,2,3,4,5]</code>
 <code>x[3]= 10</code>
 <code>print(x)</code>
 <code>y=(1,2,3,4,5)</code>
 <code>y[0]=34</code></p> |
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