PYTHON IN 10 VIDEOS

Assignment - 1

1. How to declare a variable in python?

a. x= 1
b. Int x = 1
c. Var x = 1
d. x:=1

2. Which is not correct?

a. Variable name must start with string or _
b. Variable name can contain letters, numbers & characters
c. Variable name can't start with a special character
d. Variable name is not case sensitive

3. Choose the valid variable name

a.   My-var
b.   2nd_variable
c.   Var_name
d.   All of the above

4. What is the output?

x= 1

y= x

x= 2

print(y)

a. Error : y is not defined
b. 1
c. 2
d. x

5. How many possible values are in 'bool' data type?

a. 1
b. 2
c. 3
d. 4

6. What is the data type of x=”123”?

a. Int
b. Float
c. Str
d. bool

7. What is the datatype of b?

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a = 10

b = 4.7

a = b

print(type(b))
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a. Int
b. Float
c. Str
d. None of the above

8. Which is not a type conversion function?

a. int()
b. float()
c. str()
d. double()

9. Guess the output:

a = 1.5

b = str(int(a))

print(b)

a. "1.5"
b. 1.5
c. 1
d. ValueError

10. Guess the output:

x= 5

y= 5.0

print(type(x+y))

a.   Int
b.   Float
c.   Int + float
d.   Syntax error

11. Guess the output:

a= "10"

b= "50"

c = a+b

print(int(c))

   a.   1050
   b.   '1050'
   c.   60
   d.   5010

12. Which function is used to identify the datatype of a variable?

a. dtype()
b. type()
c. print()
d. None of the above

13. Write a Python program to check if a number is positive, negative, or zero.

14. Write a Python program to find the largest of three numbers.

15. Write a Python program to check if a variable is of a specific data type.

16. Write a Python program to check if a year is a leap year.

17. Write a Python program to calculate the square of a number.

18. Write a Python program to check if a number is even or odd.

19. Write a Python program to sort a list of numbers in ascending order.

20. Write a Python program to check if a string is a palindrome.