

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`

Answer: a

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

Answer: d

3. Choose the valid variable name

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

Answer: c

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

Answer: b

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

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

Answer: b

6. What is the data type of x="123"?

- a. Int
- b. Float
- c. Str
- d. Bool

Answer: c

7. What is the datatype of b?

```
a = 10
```

```
b = 4.7
```

```
a = b
```

```
print(type(b))
```

- a. Int
- b. Float
- c. Str
- d. None of the above

Answer: b

8. Which is not a type conversion function?

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

Answer: d

9. Guess the output:

```
a = 1.5
```

```
b = str(int(a))
```

```
print(b)
```

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

Answer: a

10. Guess the output:

```
x= 5
```

```
y= 5.0
```

```
print(type(x+y))
```

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

Answer: b

11. Guess the output:

```
a= "10"
```

```
b= "50"
```

```
c = a+b
```

```
print(int(c))
```

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

Answer: a

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

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

Answer: b

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

<https://www.geeksforgeeks.org/python-program-to-check-whether-a-number-is-positive-or-negative-or-zero/>

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

<https://www.geeksforgeeks.org/python-program-maximum-three/>

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

<https://python.shiksha/tips/2-ways-check-type-of-variable-in-python/>

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

https://www.geeksforgeeks.org/python-program-to-check-if-given-year-is-leap-year
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17. Write a Python program to calculate the square of a number.

<https://www.geeksforgeeks.org/python-program-to-calculate-square-of-a-given-number/>

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

<https://www.geeksforgeeks.org/python-program-to-check-if-a-number-is-odd-or-even/>

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

<https://www.geeksforgeeks.org/python-list-sort-method/>

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

<https://www.geeksforgeeks.org/python-program-check-string-palindrome-not/>