

Expressions and Variables

- ✔ **Video:** Defining Functions
3 min
- ✔ **Reading:** Defining Functions
Recap
10 min
- ✔ **Video:** Returning Values
4 min
- ✔ **Reading:** Returning Values
Using Functions
10 min
- ✔ **Video:** The Principles of
Code Reuse
2 min
- ✔ **Video:** Code Style
4 min
- ✔ **Practice Quiz:** Practice
Quiz: Functions
5 questions

Conditionals

Module Review

Expressions and Variables

✓ Video:

Basic Python Syntax introduction
2 min

✓ Video:

Data Types
4 min

✓ Reading:

Data Types Recap
10 min

✓ Video:

Variables
4 min

✓ Video:

Expressions, Numbers, and Type Conversions
2 min

✓ Reading:

Implicit vs Explicit Conversion
10 min

✓ Practice Quiz:

Practice Quiz: Expressions and Variables
5 questions

Functions

✓ Video:

Defining Functions
3 min

✓ Reading:

Defining Functions Recap
10 min

✓ Video:

Returning Values
4 min

✓ Reading:

Returning Values Using Functions
10 min

✓ Video:

The Principles of Code Reuse
2 min

✓ Video:

Code Style
4 min

✓ Practice Quiz:

Practice Quiz: Functions
5 questions

Conditionals

Module Review

PRACTICE QUIZ • 25 MIN

TO PASS 80% or higher

Submit your assignment

Receive grade

TO PASS 80% or higher

Grade

100%

We keep your highest score.

Run

Reset

Try again

View Feedback

Correct

Great work! You've given the computer correct instructions at each step, paying attention to every detail, and it paid off!

1 / 1 point

In this scenario, two friends are eating dinner at a restaurant. The bill comes in the amount of 47.28 dollars. The friends decide to split the bill evenly between them, after adding 15% tip for the service. Calculate the tip, the total amount to pay, and each friend's share, then output a message saying "Each person needs to pay:" followed by the resulting number.

```
1 bill = 47.28
2 tip = bill * .15
3 total = bill + tip
4 share = total/2
5 print("Each person needs to pay:",share)
```

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1 / 1 point

This code is supposed to take two numbers, divide one by another so that the result is equal to 1, and display the result on the screen. Unfortunately, there is an error in the code. Find the error and fix it, so that the output is correct.

```
1 numerator = 10
2 denominator = 10
3 result = numerator / denominator
4 print(result)
```

Run

Reset

Correct

You got it!. You caught the error and fixed it! Way to go!

1 / 1 point

Combine the variables to display the sentence "How do you like Python so far?"

```
1 word1 = "How"
2 word2 = "do"
3 word3 = "you"
4 word4 = "like"
5 word5 = "Python"
6 word6 = "so"
7 word7 = "far?"
8 
9 print(word1+" "+word2+" " +word3+" " +word4+" " +word5+" " +word6+" " +word7)]
```

Run

Reset

Correct

Nice job! You caught the error and fixed it! Way to go!

1 / 1 point

This code is supposed to display " $2+2=4$ " on the screen, but there is an error. Find the error in the code and fix it, so that the output is correct.

```
1 print("2 + 2 =",(2 + 2))]
```

Run

Reset

Correct

Way to go! You noticed the missing conversion into string, and fixed it!

What do you call a combination of numbers, symbols, or other values that produce a result when evaluated?

An explicit conversion

☒ An expression

A variable

An implicit conversion

Correct

Right on! An expression is a combination of values, variables, operators, and calls to functions.

Keep Learning

GRADE 100%