✓ **Congratulations! You passed!**

Grade received 100%   To pass 80% or higher

Go to next item

1. What are functions in Python?

   1 / 1 point

○ Functions let us to use Python as a calculator.

◉ Functions are pieces of code that perform a unit of work.

○ Functions are only used to print messages to the screen.

○ Functions are how we tell if our program is functioning or not.

✓ **Correct**
Right on! Python functions encapsulate a certain action, like outputting a message to the screen in the case of print().

2. What are keywords in Python?

   1 / 1 point

◉ Keywords are reserved words that are used to construct instructions.

○ Keywords are used to calculate mathematical operations.

○ Keywords are used to print messages like "Hello World!" to the screen.

○ Keywords are the words that we need to memorize to program in Python.

✓ **Correct**
You got it! Using the reserved words provided by the language we can construct complex instructions that will make our scripts.

3. What does the print function do in Python?

   1 / 1 point

○ The print function generates PDFs and sends it to the nearest printer.

○ The print function stores values provided by the user.

◉ The print function outputs messages to the screen

○ The print function calculates mathematical operations.

✓ **Correct**
You nailed it! Using the print() we can generate output for the user of our programs.

4. Output a message that says "Programming in Python is fun!" to the screen.

   1 / 1 point

```
1    print("Programming in Python is fun!")
```

Run

Reset

✓ **Correct**
Great work! We're just starting but programming in Python
can indeed be a lot of fun.

5. Replace the ___ placeholder and calculate the Golden ratio: $\frac{1+\sqrt{5}}{2}$.

   1 / 1 point

Tip: to calculate the square root of a number x, you can use x**(1/2).

```
1    ratio = (1+(5**(1/2)))/2
2    print(ratio)
```

Run

Reset

✓ **Correct**
Awesome job! See how we can use Python to calculate complex
values for us.