Practice Quiz: Hello World

总分: **5**

1. What are functions in Python?　　　　　　　　　　　　　　　　　　**1/1 分**

   ○ 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.

   > ✓ 正确
   > 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 分**

   ◉ 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.

   > ✓ 正确
   > 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 分**

   ○ 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.

   > ✓ 正确
   > 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    print("Programming in Python is fun!")
```

运行

重置

```
Programming in Python is fun!
```

✓ 正确

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: $\frac{1+\sqrt{5}}{2}$.

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)
```

运行

重置

```
1.618033988749895
```

✓ 正确

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