

✔ **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 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.