

4.E: FUNCTIONS (EXERCISES)



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Exercise 4: What is the purpose of the "def" keyword in Python?

- a) It is slang that means "the following code is really cool"
- b) It indicates the start of a function
- c) It indicates that the following indented section of code is to be stored for later
- d) b and c are both true
- e) None of the above

Exercise 5: What will the following Python program print out?

```
def fred():
    print("Zap")

def jane():
    print("ABC")

jane()
fred()
jane()
```

- a) Zap ABC jane fred jane
- b) Zap ABC Zap
- c) ABC Zap jane
- d) ABC Zap ABC
- e) Zap Zap Zap

Exercise 6: Rewrite your pay computation with time-and-a-half for overtime and create a function called `compute_pay` which takes two parameters (`hours` and `rate`).

```
Enter Hours: 45
Enter Rate: 10
Pay: 475.0
```

Exercise 7: Rewrite the grade program from the previous chapter using a function called `compute_grade` that takes a score as its parameter and returns a grade as a string.

```
Score    Grade
> 0.9    A
> 0.8    B
> 0.7    C
> 0.6    D
<= 0.6   F
```

Program Execution:

```
Enter score: 0.95
A
```

```
Enter score: perfect
Bad score
```

```
Enter score: 10.0  
Bad score
```

```
Enter score: 0.75  
C
```

```
Enter score: 0.5  
F
```

Run the program repeatedly to test the various different values for input.