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Declaring a function → Shorten!

Medium 1 minute ?

9549 users solved this problem. Latest completion was 8 minutes ago.

Which of the following code snippets is the best way to declare a function that determines the parity of a number?

1)

```
1 def is_even(number):
2     if number % 2 == 0:
3         return True
4     else:
5         return False
```

2)

```
1 def is_even(number):
2     if number % 2 == 0:
3         return True
4     return False
```

3)

```
1 def is_even(number):
2     return True if number % 2 == 0 else False
```

4)

```
1 def is_even(number):
2     return number % 2 == 0
```

In all cases, the function `is_even()` does exactly the same: checks if a number is even or not and returns a boolean value (either `True` or `False`). The question is aimed at increasing code simplicity!

Report a typo

Select one option from the list

- ☐ 1)
- ☐ 2)
- ☐ 3)
- ☐ 4)

✓ Correct.

FEEDBACK

That's right! Since any comparison results in a boolean value, there is no need to write everything twice.

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