

```

1 def find_eligible(names: list[str], ages: list[int]) -> dict[str, int]:
2     """Find the names and ages of all people old enough to rent a car!"""
3     if len(names) != len(ages):
4         raise ValueError("Diff lengths.")
5     eligible_ppl: dict[str, int] = {}
6     for idx in range(0, len(names)):
7         if ages[idx] >= 25: # If >=25, add to dict
8             eligible_ppl[names[idx]] = ages[idx]
9     return eligible_ppl
10
11 names = ["Allan", "Ken", "Barbie"]
12 ages = [23, 26, 25]
13 renters: dict[str, int] = find_eligible(names, ages)
14 print(renters)
15
16 # Let's not let Ken rent a car...
17 if "Ken" in renters:
18     renters.pop("Ken")
19
20 print(renters)

```

output

{ "Ken": 26, "Barbie": 25 }

{ "Barbie": 25 }

Stack

Globals

find_eligible | id:0

names | id:1

ages | id:2

renters | id:3

find_eligible

RA | 13

RV | id:3

names | id:1

ages | id:2

eligible_ppl | id:3

Heap

id:0	fn [9]
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id:1	list [str]
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0	"Allan"
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1	"Ken"
---	-------

2	"Barbie"
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id:2	list [int]
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0	23
---	----

1	26
---	----

2	25
---	----

id:3	dict [str, int]
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"Ken"	26
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"Barbie"	25
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