1.def even_num_sum(data: list) -> int:

2. total = 0

3.

4.for e in data:

5. **if** e % 2 == 0:

6. total += e

7.

8. return total

data	Value returned				
[10, 3, 5, 8, 20]	38				
[-4, 7, 2, 9, 12]	10				

[10, 3, 5, 8, 20]

Line	total	е	output	
2	0			
4		10		
6	10			
4		3		
4		5		
4		8		
6	18			
4		20		
6	38			
8			38	

[-4, 7, 2, 9, 12]

Line	total	е	output		
2	0				
4		-4			

6	-4				
4		7			
4		2			
6	-2				
4		9			
4		12			
6	10				
8			10		

def search_target(data: list[int], target: int) -> bool: # As before, you need to suggest a
name.

```
index = 0
stopped = False
```

while index < len(data) and not stopped:</pre>

```
if data[index] == target:
    stopped = True
index += 1
```

return stopped

```
def ???(data: list[int], target: int) -> bool: # As before, you need to suggest a name.
index = 0
stopped = False

while index < len(data) and not stopped:
    if data[index] == target:
        stopped = True
    index += 1

return stopped</pre>
```

data	target	Value returned
[12, 45, 3, 18, 25]	18	True
[24, 8, -3, 42, 15]	43	False

[12, 45, 3, 18, 25]

Line	index	stopped		
2	0			
3		False		
8	1			
8	2			
8	3			
7		True		
10		True		

[24, 8, -3, 42, 15]

Line	index	stopped		
2	0			
3		False		
8	1			
8	2			
8	3			
8	4			
8	5			
10		False		

Line	cities	output
1	"New York", "London", "Tokyo", "Sydney", "Berlin"	
3		The last 5 cities to host major international events:
4	New York	
5		New York
4	London	
5		London
4	Tokyo	
5		Tokyo
4	Sydney	
5		Sydney
4	Berlin	
5		Berlin

```
number_list = [ 8, 14, 22, 5 ]
end = len(number_list)
temp: int

temp = number_list[0]
for i in range(1, len(number_list)):
    number_list[i-1] = number_list[i]
number_list[end-1] = temp
```

Line	number_list	end	temp	i	number _list[0]	number _list[1]	number _list[2]	number _list[3]
1	8, 14, 22, 5							
2		4						
5			8					
6				1				
7					14			
6				2				
7						22		
6				3				
7							5	
8								8