

```

# Given a list, find if the list contains a given value

# Hint : Modify the functions defined in this set

# find(l,val) takes in a list of integers
#         and returns the first index of val in l if it exists
#         and returns -1 otherwise
def find(l,val):

list=raw_input("enter a list")
list=eval(l)
x = raw_input("enter the value to search for")
i = find(l,x)

if(i==-1):
    print val," is not present in the list ",list
else:
    print list[i]," is present in the list ",list," at position ",i

# Example sets
#
# 1) list = [10,20,5,10,25,5,24]
#     x = 5
#     Observable_Output : 5 is present in the list [10,20,5,10,25,5,24] at position 2
#
# 2) list = [5,10,25,24,29,30]
#     x = 30
#     Observable_Output : 30 is present in the list [10,20,5,10,25,5,24] at position 5
#
# 3) list = [5,10,25,24,12,31,53,63,98,75]
#     x = 4
#     Observable_Output : 4 is not present in the list [10,20,5,10,25,5,24]
#
# Trace format
#
# Example set 1
#
# Step    program_line    What_happens_inside_the_computer
# 1        9              list = [10,20,5,10,25,5,24]
# 2        10             x=5
# 3        11             calls find(list,x) ==> find([10,20,5,10,25,5,24],5)
#
# Step    program_line    Observable_Output
# 1
#
#

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