#List of atoms atoms-["Hydrogen"

, "Lithium"

"Boron"

"carbon"

, "Helium"

"'Nitrogen'

, "Beryllium"

, "Oxygen" , "Fluorine",

"Neon"

"Sodium"

"Magnesium"

"Aluminium"

"Silicon" "Phosphorus" "Sulfur". "Chlorine", "Argon"

5

"Potassium", "Calcium",

"Scandium", "Titanium",

"Vandium", "Chronium", "Manganese", "Iron", "Cobalt"

6

"Nickel",

"Copper"

"Zinc", "Gallium", "Germanium".

"Arsenic" "Selenium", "Bromine",

"Krypton"

7

"Rubidium"

"Strontium"

"Yttrium". "Zirconium". "Niobium". "Molybdenum". "Technetium"

8

"Ruthenium"

"Rhodium"

"Palladium"

з

"Cadmium", "Indium", "Tin", "Antimony", "Tellurium", "Iodine" "Xenon"

9

"Cesium", "Barium"

"Lanthanum"

, "Cerium" , "Praseodymium", "Neodymium", "Promethium", "Samarium", "Europium", "Gadolinium"

10

"Terbium"

, "Dysprosium", "Holmium", "Erbium"

", "Thulium", "Ytterbium", "Lutetium", "Hafnium", "Tantalum", "Tungsten", "Rhenium

11

"Osmium"

"Iridium"

"platinum"

" "Gold", "Mercury", "Thallium"

"Lead", "Bismuth", "Polonium", "Astatine", "Radon", "Francium

12

"Radium"]

13

###main progrm

14

choice-""

15 - while choice!="":

16

print（“米\*\*\*米米\*\*\*水米\*\*\*\*\*\*\*\*水\*\*”）

17

print("A TO M FINDER")

18

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"）

19

print("\n")

20

print ("A: append an atom to the list ")

21

print ("B: remove an atom from the list")

22

print("C: print the list")

input

23

24

25

26

printi Do remove an acom Trom me

print("C: print the list")

print("D: sopt the atoms in the list")

print("X: Exit the program")

print("\n")

choice=input ("choose an option:")

27

28 - if choice=="A":

29

name=input ("enter a name of an atom to add: ")

30

atoms.append (name)

31

print (name,

"has been added to the list")

32 - if choice==

"B"

33

name=input ("enter a name of an atom to remove:")

34

atoms-remove (name)

35

print (name,

"has been removed from the list")

36 - if choice=="c":

37

print(atoms)

38 - if choice=="D"

39

atoms.sort ()

40

print (atoms)

41

if choice=="E"

42

print(len (atoms))

43

choice==""