1)create a list called years\_lists,starting with the year of your birth and each year thereafter until the year of your fifth birthday.for example ,if you were born in 1980,the list would be years\_list =[1980,1981 1982,1983,1984,1985].

Ans : years\_list = [i for i in range(1997,1997+6)]

years\_list

O/p [1997, 1998, 1999, 2000, 2001, 2002]

2)in which year in years\_list was your third birthday ?Remember ,you were 0 years of age for your first year.

Ans :years\_list[3]

O/p. 2000

3)In the years list,which year were you the oldest ?

Ans : max(years\_list)

O/p. 2002

4)make a list called things with these three strings as element :"mozzarella","cinderella","salmonella"

Ans : things = list(['mozzarella', 'cinderella','salmonella'])

things

O/p ['mozzarella', 'cinderella', 'salmonella']

5)capitalize the element in things that refers to a person and then print the list .did it change the element in the list ?

Ans : for i in things:

print(i.capitalize())

things

#Capitalize() will not update the list original values.

O/p. Mozzarella

Cinderella

Salmonella

['mozzarella', 'cinderella', 'salmonella']

6)make a surprise list with the elements "groucho","chico",and "harpo".

Ans : surprise\_list = ["Groucho", "Chico", "Harpo"]

surprise\_list

O/p ['Groucho', 'Chico', 'Harpo']

7)lowercase the last element of the surprise list ,reverse it ,and then capitalize. it.

Ans :surprise\_list[-1].lower()

O/p 'harpo'

surprise\_list[-1][::-1]

O/p 'opraH'

surprise\_list[-1][::-1].upper()

O/p 'OPRAH'

8)make an english to french Dictionary called e2f and print it.here are your starter words.dog is chien,cat is chat,and walrus is morse.

Ans : e2f = {'dog':'chien','cat':'chat','walrus':'morse'}

9)write the french word for walrus in your third word dictionary e2f .

Ans : e2f['walrus']

O/p 'morse'

10)make french to English dictionary called f2e from e2f .use the item methods.

Ans : f2e = dict((key,value) for value,key in e2f.items())

f2e

O/p {'chat': 'cat', 'chien': 'dog', 'morse': 'walrus'}

11)print the english version of the French word chien using f2e.

Ans :.f2e['chien']

O/p 'dog'

12)make and print a set of english words from the keys in e2f.

Ans : e2f.keys()

O/p dict\_keys(['dog', 'cat', 'walrus'])

13)make a multilevel dictionary called life.use these string for the topmost keys :"animals","plants" and "other".make an animals key refers to dictionary with the keys cats,octopi and emus make a cats key refer to a list of string with the values henri,grumpy and lucy.make all the other keys refer to empty dictionaries.

Ans : life ={'animals':{'cat':['Henri', 'Grumpy', 'Lucy'], 'octopi':'', 'emus':''},

'plants' :'',

'other' :'' }

life

O/p {'animals': {'cat': ['Henri', 'Grumpy', 'Lucy'], 'emus': '', 'octopi': ''},

'other': '',

'plants': ''}

14)print the top level keys of life

Ans : life.keys()

O/p dict\_keys(['animals', 'plants', 'other'])

15)print the keys for life ["animal"]

Ans : life['animals'].keys()

O/p dict\_keys(['cat', 'octopi', 'emus'])

16)print the values for life ["animals"]["cats"]

Ans : life['animals']['cat']

O/p ['Henri', 'Grumpy', 'Lucy'].