Solutions Python Notebooks

1) import keyword
print (keyword.kwlist)

2) print(bool(x))

3) count = 0
while (count < 3):
    count = count+1
    print("Hello programmer")

4) l = ["today", "is", "holiday"] #this is list
for i in l:
    print(i)

5) t = ("we", "have", "unity")
for i in t:
    print(i)

6) s = "Geeks"
for i in s :
    print(i)

7)from __future__ import print_function
for i in range(1, 5): #you have to write two nested for loops using range
    for j in range(i):
        print(i, end=' ')
    print()

8) print("\nDictionary Iteration")
d = dict()
d['xyz'] = 123
d['abc'] = 345
for i in d :
    print("%s %d" %(i, d[i]))

9) for letter in 'allisgeeksforgeeks':

    # break the loop as soon it sees 'e'
    # or 's'
    if letter == 'e' or letter == 's':
        break

print ('Current Letter :', letter)

10) for letter in 'Python':
   if letter h found break
for letter in 'Python':   # First Example
   if letter == 'h':
      break
   print('Current Letter :', letter)

for letter in 'geeksforgeeks' use **Break** when e or s comes

11) for num in range(10,20):   #to iterate between 10 to 20
   for i in range(2,num):   #to iterate on the factors of the number
      if num%i == 0:   #to determine the first factor
         j=num/i   #to calculate the second factor
         print('%d equals %d * %d' % (num,i,j))
         break #to move to the next number, the #first FOR
      else: # else part of the loop
         print(num, 'is a prime number')

12) var = 1

while var == 1 : # This constructs an infinite loop

 num = input("Enter a number :")

 print ("You entered: ", num)

print ("Good bye!")

13) To find the prime numbers from 2 to 100 The use a nested for loop

for i in range(101):
    for j in range(2,i-1):
        if i%j==0:
          break
    else:
        print(i)

14)
password= input("Enter the password\t")
if password=="secret":
   print (".....")
   print ("welcome")
else :
   print ("Access Denied";)

15) num =int(raw_input("Enter the number:"))
if num > 89:
    letter = 'A'
elif num > 79:
    letter = 'B'
elif nuFirstm > 69:
    letter = 'C'
else num > 89:
    letter = 'D'
print "The Grade is " , letter

21) import collections

myList = [1,1,2,3,4,5,3,2,3,4,2,1,2,3]

print(collections. Counter(myList))

17)num_int = 123
num_flo = 1.23
num_new = num_int + num_flo
print("datatype of
num_int:",type(num_int))
print("datatype of
num_flo:",type(num_flo))
print("Value of num_new:",num_new)
print("datatype of
num_new:",type(num_new))

18)num_int = 123
num_str = "456"

print(type(num_int))
print(type(num_str))

num_str = int(num_str)

num_sum = num_int + num_str

print(num_sum)
print(num_sum)

19) print('I love {0} and
{1}'.format('study','sport'))

20) Create a list add physics chemistry
1997 2000 in list1
Add 1 2 3 4 5 6 7 in list 2
Print list1[0] & list2[1:5]

18)

x = 'Hello world'
y = {1:'a',2:'b'}

code here

print("Hello" in y)

21) list1 = ['physics', 'chemistry', 1997,
2000]
list2 = [1, 2, 3, 4, 5, 6, 7]
  print ("list1[0]: ", list1[0])
  print ("list2[1:5]: ", list2[1:5])

22)list1 = ['physics', 'chemistry', 'maths']
list2 = list(range(5)) #creates list of
numbers between 0-4
list1.extend(list2)
print ('Extended List :', list1)

23)Sorting the list
list1 = ['physics', 'Biology', 'chemistry',
'maths']
list1.sort()print ("list now : ", list1)

24) list = ['Biology', 'chemistry', 'maths',
'physics']

Print(list)

25) tuple1, tuple2 = (123, 'xyz'), (456,
'abc')
print cmp(tuple1, tuple2)
print cmp(tuple2, tuple1)
tuple3 = tuple2 + (786,);
print cmp(tuple2, tuple3)

26) list1 = ['maths', 'che', 'phy', 'bio']
tuple1 = tuple(list1)print ("tuple
elements : ", tuple1)

27) my_tuple = ('a','p','p','l','e',)

# Count
# Output: 2
print(my_tuple.count('p'))

28) print(my_tuple.index('l'))

29) squares = {x: x*x for x in range(6)}

Output: {0: 0, 1: 1, 2: 4, 3: 9, 4: 16, 5:
25}
print(squares)

30) membership test is for keys only, not
for values.

squares = {1: 1, 3: 9, 5: 25, 7: 49, 9:
81}

print(1 in squares)

31) print(len(squares))

32) print len(nested_list)
prints 3

33) print(dic.get("A"))
print(dic.get("C"))
print(dic.get("C","Not Found ! "))