**Section 8.2 The str Class**

8.1 What is len("Good")?

A. 1

B. 2

C. 3

D. 4

E. -1

D

Answer analysis:D

8.2 What is max("Programming is fun")?

A. P

B. r

C. a blank space character

D. u

E. n

D

Answer analysis:D

8.3 What is min("Programming is fun")?

A. P

B. r

C. a blank space character

D. u

E. n

C

Answer analysis:C

8.4 What is "Programming is fun"[4: 6]?

A. ram

B. ra

C. r

D. pr

E. pro

B

Answer analysis:B

8.5 What is "Programming is fun"[-1]?

A. Pr

B. P

C. fun

D. n

E. un

D

Answer analysis:D

8.6 What is "Programming is fun"[1:1]?

A. P

B. r

C. Pr

D. ''

E. incorrect expression

D

Answer analysis:D

8.7 What is "Programming is fun"[-3:-1]?

A. Pr

B. P

C. fun

D. n

E. un

E

Answer analysis:E

8.8 What is "Programming is fun"[:-1]?

A. Programming

B. rogramming is fun

C. Programming is f

D. Programming is fu

E. Programming is

D

Answer analysis:D

8.9 What is "Programming is fun"[:2]?

A. Pr

B. P

C. Pro

D. Programming

E. Programming is

A

Answer analysis:A

8.10 Given a string s = "Welcome", which of the following code is incorrect?

A. print(s[0])

B. print(s.lower())

C. s[1] = 'r'

D. print(s.strip())

C

Answer analysis:C

8.11 What will be displayed by the following code?

class Count:

def \_\_init\_\_(self, count = 0):

self.\_\_count = count

c1 = Count(2)

c2 = Count(2)

print(id(c1) == id(c2), end = " ")

s1 = "Good"

s2 = "Good"

print(id(s1) == id(s2))

A. True False

B. True True

C. False True

D. False False

C

Answer analysis:C

8.12 Given a string s = "Welcome", what is s.count('e')?

A. 1

B. 2

C. 3

D. 4

B

Answer analysis:B

8.13 Given a string s = "Programming is fun", what is s.find('ram')?

A. 1

B. 2

C. 3

D. 4

E. -1

D

Answer analysis:D

8.14 Given a string s = "Programming is fun", what is s.find('rom')?

A. 1

B. 2

C. 3

D. 4

E. -1

E

Answer analysis:E

8.15 Given a string s = "Programming is fun", what is s.rfind('m')?

A. 8

B. 7

C. 6

D. 5

E. -1

B

Answer analysis:B

8.16 Given a string s = "Programming is fun", what is s.find('m')?

A. 8

B. 7

C. 6

D. 5

E. -1

C

Answer analysis:C

8.17 Given a string s = "Programming is fun", what is s.startswith('m')?

A. 0

B. 1

C. -1

D. True

E. False

E

Answer analysis:E

8.18 Given a string s = "Programming is fun", what is s.startswith('Program')?

A. 0

B. 1

C. -1

D. True

E. False

D

Answer analysis:D

8.19 Given a string s = "Programming is fun", what is s.endswith('fun')?

A. 0

B. 1

C. -1

D. True

E. False

D

Answer analysis:D

8.20 Given a string s = "Programming is fun", what is s.endswith('m')?

A. 0

B. 1

C. -1

D. True

E. False

E

Answer analysis:E

8.21 What is "Good".replace("o", "e")?

A. God

B. Good

C. Geed

D. Ged

E. Good

C

Answer analysis:C

8.22 Analyze the following code:

class Name:

def \_\_init\_\_(self, firstName, mi, lastName):

self.firstName = firstName

self.mi = mi

self.lastName = lastName

firstName = "John"

name = Name(firstName, 'F', "Smith")

firstName = "Peter"

name.lastName = "Pan"

print(name.firstName, name.lastName)

A. The program displays Peter Pan.

B. The program displays John Pan.

C. The program displays Peter Smith.

D. The program displays John Smith.

B

Answer analysis:B

8.23 Analyze the following code:

class MyDate:

def \_\_init\_\_(self, year, month, day):

self.year = year

self.month = month

self.day = day

class Name:

def \_\_init\_\_(self, firstName, mi, lastName, birthDate):

self.firstName = firstName

self.mi = mi

self.lastName = lastName

self.birthDate = birthDate

birthDate = MyDate(1990, 1, 1)

name = Name("John", 'F', "Smith", birthDate)

birthDate = MyDate(1991, 1, 1)

birthDate.year = 1992

print(name.birthDate.year)

A. The program displays 1990.

B. The program displays 1991.

C. The program displays 1992.

D. The program displays no thing.

A

Answer analysis:A

**Section 8.5 Operator Overloading and Special Methods**

8.24 To concatenate two strings s1 and s2 into s3, use \_\_\_\_\_\_\_\_\_.

A. s3 = s1 + s2

B. s3 = s1.add(s2)

C. s3 = s1.\_\_add(s2)

D. s3 = s1.\_\_add\_\_(s2)

AD

Answer analysis:AD

8.25 To retrieve the character at index 3 from string s, use \_\_\_\_\_\_\_\_\_.

A. s[3]

B. s.getitem(3)

C. s.\_\_getitem\_\_(3)

D. s.getItem(3)

AC

Answer analysis:AC

8.26 To return the length of string s, use \_\_\_\_\_\_\_\_\_.

A. s.\_\_len\_\_()

B. len(s)

C. size(s)

D. s.size()

AB

Answer analysis:AB

8.27 If a class defines the \_\_str\_\_(self) method, for an object obj for the class, you can use \_\_\_\_\_\_ to invoke the \_\_str\_\_ method.

A. obj.\_\_str\_\_()

B. str(obj)

C. obj.str()

D. \_\_str\_\_(obj)

AB

Answer analysis:AB

8.28 To check whether string s1 contains s2, use \_\_\_\_\_\_\_\_\_.

A. s1.\_\_contains\_\_(s2)

B. s1 in s2

C. s1.contains(s2)

D. si.in(s2)

AB

Answer analysis:AB

8.29 Suppose i is 2 and j is 4, i + j is same as \_\_\_\_\_\_\_\_\_.

A. i.\_\_add(j)

B. i.\_\_add\_\_(j)

C. i.\_\_Add(j)

D. i.\_\_ADD(j)

B

Answer analysis:B