

Multiple Choice Questions

1. The arithmetic operator that cannot be used with strings is

a. +

b. *

c. -

d. All of these

2. Judge the output of the following code,

```
print(r"\nWelcome")
```

a. New line and welcome

b. \nWelcome

c. The letter r and then welcome

d. Error

3. What is the output of the following code snippet?

```
print("Sunday".find("day"))
```

a. 6

b. 5

c. 3

d. 1

4. The output of the following code is,

```
print("apple is a fruit".split("is"))
```

a. ['is a fruit']

b. [fruit]

c. ['apple', 'a fruit']

d. ['apple']

5. For the given string `s = "nostradamus"`, which of the following statement is used to retrieve the character `t`?

a. `s[3]`

b. `s.getitem(3)`

c. `s.__getitem__(3)`

d. `s.getItem(3)`

6. The output of the following:

```
print("\tapple".lstrip())
```

a. `\tapple`

b. `apple"`

c. `apple`

d. `"\tapple`

7. Deduce the output of the following code:

```
print('hello' 'newline')
```

a. Hello

b. hellonewline

c. Error

d. Newline

8. What is the output of the following code?

```
"tweet"[2:]
```

a. We

b. wee

c. eet

d. Twee

9. What is the output of the following code?

"apple is a fruit"[7:10]

- a. Apple
b. sa
c. Fruit
d. None of the above

10. Identify the output of the following code;

```
print("My name is %s" % ('Charles Darwin'))
```

- a. My name is Charles Darwin
- b. Charles
- c. %Charles
- d. %

11. The prefix that is used to create a Unicode string is

- a. u
b. h
c. o
d. c

12. The function that is used to find the length of the string is

- a. `len(string)`
- b. `length(string)`
- c. `len[string]`
- d. `length[string]`

13. What is the output of the following code?

```
string = "Lion is the king of jungle"
```

```
print("%s" %string[4:7])
```

- a. of
b. king
c. The
d. is

14. For the statement given below

```
example = "\t\ttweet\n"
```

The output for the expression `example.strip()` is

- a. \t\ntweet\n
b. \t\ntweet
c. tweet\n
d. 'tweet'

1. Write a function that takes a list of numbers and returns the sum of the squares of the numbers.
2. Write a function that takes a list of numbers and returns the product of the numbers.
3. Write a function that takes a list of numbers and returns the average of the numbers.
4. List the first 10 Fibonacci numbers.
5. Explain the difference between a list and a tuple.
6. Write a function that takes a list of numbers and returns the maximum value.
7. Differe
 a. i
 b. fi
 c. sp
8. What
9. Write
 eters,
 origina
 "jolly"
10. Given t
11. Write a
 ward, o
12. Write a
 len() fun
13. Ask the
 times. (Fo
 out Pytho

15. Deduce the output of the following code:

```
print('Data Science'.istitle())
```

a. True

b. False

c. Error

d. None

16. Predict the output of the following code:

```
print('200.123'.isnumeric())
```

a. True

b. False

c. Error

d. None

Review Questions

1. What is the use of the `len()` function? Give one example.
2. With the help of an example, explain how we can create a list.
3. What is a tuple?