

1. Which Of The Following Represents A Distinctly Identifiable Entity In The Real World []
A. A class B. An object C. A method D. A data field
2. Which among the following best describes polymorphism []
a) It is the ability for a message/data to be processed in more than one form
b) It is the ability for a message/data to be processed in only 1 form
c) It is the ability for many messages/data to be processed in one way
d) It is the ability for undefined message/data to be processed in at least one way
3. What is setattr() used for []
A. To access the attribute of the object B. To set an attribute
C. To check if an attribute exists or not D. To delete an attribute
4. Which among the following can show polymorphism []
A. Overriding B. Overloading C. Recursion D. Function call
5. Which of the following belongs to class method []
A. def(cls): B. def(): C. def(self): D. All the Above
6. The below one is a constructor []
A. __init__(self) B. __repr__(self)
C. __constructor__(self) D. __cmp__(self)
7. The concept of inheritance is used to implement which relationship []
A. is-a B. was-a C. has-a D. in-a
8. Inheritance follows the concept of []
A. bottom-up approach B. Top-Down approach C. Low level approach D. up level approach
9. For overriding concept which object oriented feature is required []
A. Abstraction B. Data Encapsulation C. Polymorphism D. Inheritance
10. Abstract classes are []
A. Empty classes B. contains methods
C. Contains methods but not implemented D. All the above

1- ANSWER:B

2- ANSWER:A

3 ANSWER:B

4 ANSWER:B

5- ANSWER:A

6- ANSWER:A

7- ANSWER:A

8- ANSWER:B

9- ANSWER:D

10- ANSWER:C

To add a new element to a list we use which command

A. list1.add(5)

B. list1.append(5)

C. list1.addLast(5)

D. list1.addEnd(5)

ANSWER:B

What will be the output of the following Python code

```
>>>"Welcome to Python".split()
```

A.["Welcome", "to", "Python"]

B.("Welcome", "to", "Python")

C.{"Welcome", "to", "Python"}

D."Welcome", "to", "Python"

ANSWER:A

What will be the output of the following Python code

```
>>>list1 = [1, 3]
>>>list2 = list1
>>>list1[0] = 4
>>>print(list2)
```

- A. [1, 3]
- B. [4, 3]
- C. [1, 4]
- D. [1, 3, 4]

ANSWER:B

Suppose list1 is [4, 2, 2, 4, 5, 2, 1, 0], Which of the following is correct syntax for slicing operation

- A. print(list1[0])
- B. print(list1[:2])
- C. print(list1[:-2])
- D. all of the mentioned

ANSWER:D

Which of the following mode will refer to binary data

- A. r
- B. w
- C. r+
- D. rb

ANSWER:D

How do you close a file object (fp)

- A. close(fp)
- B. fclose(fp)
- C. fp.close()
- D. fp.__close__()

ANSWER:C

his set of Python Multiple Choice Questions & Answers (MCQs) focuses on “Regular Expressions”.

1. Which module in Python supports regular expressions?
a) **re**
b) regex
c) pyregex
d) none of the mentioned

2. Which of the following creates a pattern object?
a) re.create(str)
b) re.regex(str)
c) **re.compile(str)**
d) re.assemble(str)

3. What does the function re.match do?
a) **matches a pattern at the start of the string**
b) matches a pattern at any position in the string
c) such a function does not exist
d) none of the mentioned

4. What does the function re.search do?
a) matches a pattern at the start of the string
b) **matches a pattern at any position in the string**
c) such a function does not exist
d) none of the mentioned

5. What will be the output of the following Python code?

```
sentence = 'we are humans'  
matched = re.match(r'(.*) (.*) (.*)', sentence)  
print(matched.group())
```

- a) ('we', 'are', 'humans')
- b) (we, are, humans)
- c) ('we', 'humans')
- d) **'we are humans'**

6. What will be the output of the following Python code?

```
sentence = 'we are humans'  
matched = re.match(r'(.*) (.*) (.*)', sentence)  
print(matched.group(2))
```

- a) 'are'
- b) 'we'
- c) **'humans'**
- d) 'we are humans'

7. The expression `a{5}` will match _____ characters with the previous regular expression.
a) 5 or less
b) exactly 5
c) 5 or more
d) exactly 4
8. The character Dot (that is, `.`) in the default mode, matches any character other than _____.
a) caret
b) ampersand
c) percentage symbol
d) newline
9. _____ matches the start of the string.
_____ matches the end of the string.
a) `^`, `$`
b) `$`, `^`
c) `$`, `?`
d) `?`, `^`
10. Which of the following will result in an error?
a)

```
>>> p = re.compile("d")
```

```
>>> p.search("door")
```

```
b) >>> p = re.escape('hello')
```

```
c) >>> p = re.subn()
```

```
d) >>> p = re.purge()
```

11. Choose the function whose output can be: `<_sre.SRE_Match object; span=(4, 8), match='aaaa'>`.

a) `>>> re.search('aaaa', "alohaaaa", 0)`

b) `>>> re.match('aaaa', "alohaaaa", 0)`

c) `>>> re.match('aaa', "alohaaa", 0)`

d) `>>> re.search('aaa', "alohaaa", 0)`

12. Which of the following functions clears the regular expression cache?

a) `re.sub()`

b) `re.pos()`

c) `re.purge()`

d) `re.subn()`

13. Which of the following functions results in case insensitive matching?

a) `re.A`

b) `re.U`

c) re.I

d) re.X

14. The function of re.search is _____

a) Matches a pattern at the start of the string

b) Matches a pattern at the end of the string

c) Matches a pattern from any part of a string

d) Such a function does not exist

15. Which of the following functions creates a Python object?

a) **re.compile(str)**

b) re.assemble(str)

c) re.regex(str)

d) re.create(str)

16. Which of the following pattern matching modifiers permits whitespace and comments inside the regular expression?

a) re.L

b) re.S

c) re.U

d) re.X

17. The function of re.match is _____

a) Error

b) Matches a pattern anywhere in the string

c) Matches a pattern at the end of the string

d) Matches a pattern at the start of the string

18. The special character \B matches the empty string, but only when it is _____

a) at the beginning or end of a word

b) not at the beginning or end of a word

c) at the beginning of the word

d) at the end of the word

19. Which of the following special characters matches a pattern only at the end of the string?

a) \B

b) \X

c) \Z

d) \A

20. Which of the following special characters represents a comment (that is, the contents of the parenthesis are simply ignored)?

a) (?:...)

b) (?=...)

c) (?!...)

d) (?#...)