Assignment - 4

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1. what is the meaning of data hiding?

2. what is the main purpose of inheritance? Types of inheritance?

3. what is the difference b/w data abstraction & encapsulation?

4. what is method overriding & method overloading?

5. what is the difference between static & class variables?

6. what is doc string in python?

7. How to print specified docstring in the o/p?

8. what are the different modes in file handling?

9. what is the default mode in the file handling?

10. what is Seek and tell methods?

11. How add new data to the existing file which *python Narayana*
contains data already?

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12. Write the data "python developer" to the empty file?

13. How to add "Oracle Developer" to the same above
file (this should be second line)?

14. How to find vowels in the string in file?

15. How to count number of words in the file?

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16. What is purpose of logging?

17. What are different Logging Levels?

18. What is the default logging Level?

19. How to print the data in Logging when it is DEBUG Level?

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20. Can we use logging. debug when the Logging Level set to WARNING?

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21 How to create log file?

22 What is exception?

23 How to handle exceptions in Python?

24 What is the 'else' in exception handling? write a small program by using else?

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25. What is the 'finally'? Write a small program by using finally? (572)

26. How to use multiple exception classes in single except?

27. What is assert?

28. What is multithreading?

29. What is numpy?

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30. How it is better than python list? Give any three reasons? (5)

31 How to create an array by using list?

32 Create a two dimensional array?

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33 We can use range() to create a list in python, then what do we use in numpy?

34 Create a 3*4 array?

35. Create a 2*4 array float values?

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36. How to see shape of an array?

37. what is item size for numeric element in array?

38. How to create an array for place holder 1?

39 How to reshape an array? Give are eg?

40. How to a string "python" as character by character from file?

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Python FAQS

Part - 1

1. what is the difference between title() and Capitalize()?

2. How to check whether the given string in Lowercase or not?

3. How to know how many characters are exited in given string?

4. what is a split()? and what is the default delimeter in the split()

5. what is the output format of split()?

6. Is insertion order preserved or not in string?

7. How to reverse the given string?

8. How to get ascending order of the given string?

9. How to get descending order of the given string?

10. How to display the given string 'python' as p...y..t..h...o...n'

11. is string mutable or immutable?

12. Can we delete a specific character by using del command?

13. cleo Can we clear a string with clear()?

14. How to perform a string packing?

15 what is the slicing operator ?   python Narayane

16 How to replace a part of string with new string ?

17 How to display the given string 'NaRaYaNa' as 'nAorAyAnA'

18 what is a list ?

19 Is a list mutable or immutable object ?

20 How can we decide a list is a mutable object ?

21 Ho List is a dyamic object ? why ?

22. How to know how many 10s are available in the List [10, 20, 10, 10, 30]

23. How to know the index number of a specific element in the List ?

24. what is the indexing and slicing ?

25. what is list packing & list unpacking ?

26 How to add a new element to the existing list ?

27 what is the diff b/w append () and extend() ?

28 How to add a new element at required place in the list ?

29. Can we How to add a sub list to the existing list object?

30. Can we add multiple elements by using append() ?

31. what is difference b/w remove () & pop() ?

32. How to know the highest value in the List?

33. How to Convert a list into string?

34. How to Convert a string into list?

35. How to remove all elements from the List?

36. Can we delete a specific element by using del command?

37. what are the different ways to create a list?

38. what is the range() and what is the syntax of range()?

39. what is the mandatory arg in the range()?

40. what is the difference b/w python2 and Python 3 in case of range()?

41. what is the datatype of range() in python 3?

42. what is the a tuple?

43. what is the difference b/w tuple & list?

44. Is tuple mutable or immutable object?

45. Is insertion order of tuple elements preserved or not?

46. Can we give duplicate elements in the tuple?

47. what is all() & any()?

48. How to create a tuple with single element?

49. Can we create a specific tuple using () and also tuple()?

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50. Can we delete a specific element by using clear() in the tuple?

51. How to convert a tuple into list? & list into tuple?

52. When to convert do choose a tuple & when do we choose a list?

53. Can we use a list in the tuple or not?

54. Can we use tuple in the list or not?

55. How to find sum of all elements in the tuple?

56. Can we use hetrogenous elements in the tuple?

57. what is the set?

58. Is a set allow duplicate elements or not?

59. Is insertion order of set elements is preserved or not?

60. Is a set dynamic object or not?

61. Is a set mutable or immutable object?

62. How to create an empty set?

63. How to represent an empty set?

64. How to add an element to the existing set?

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65. Can we add a duplicate element to the existing set?

66. What is the difference between remove() & discard()?

67. What is the main purpose of set?

68. What is the main purpose of tuple?

69. A List has so many duplicate elements, how to remove all duplicate elements from the List?

70. What are the operators that we use to perform membership operations?

71. What is the difference between is superset() and issubset()?

72. In which case both is superset() and issubset() will return True?

73. In which case both isSuperset() and isSubset() will return False?

74. If both sets are having completely incommon elements, then what is the result of isdisjoint()?

75. What are the different set operations that we perform in set?

76. What is the difference b/w List & Set?

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77. How to convert a set into list? Python Narayana

78. How to convert a set into string?

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79. what is dict?

80. what is the main purpose of dict?

81. How to update the values of dict?

82. How to retrieve the values by using keys?

83. How to remove a specific key: value pair?

84. what is the difference b/w pop() and popitem()?

85. How to get all keys for dict?

86. How to update the dict by using another dict?

87. How to get all key: value pairs as items?

88. How to get all values from dict?

89. How to create a dict by using tuple?

90. How to remove all key: value pairs from the dict?

91. Can we use a list or tuple in the set?

92. Can we use a set or tup list and tuple?

93. Can we convert a hetrogenous list into string?

94. Can we split a list by using split()?

95. How to reverse a tuple()?

96. How to display the descending order of tuple elements)

97. is a dict mutable or immutable object?
98. Is a dict allow duplicate keys or not?
99. Can we update keys in the dict?

Part-2

1. What are the identify operators & membership operators.

2. what is the difference b/w bitwise Left-shift & bitwise right shift operator.

3. what is diff b/w actual argument & formal arguments?

4. what are positional arguments?

5. what is keyword arguments and non-keyword arguments?

6. what is the difference b/w * args and * * kwargs?

7. what is enumerate ()?

8. what is the different b/w def function & Lambda function?

9. what are different types of function which are used for Lambda function?

10) what is filter() & purpose?

11) what is map() & purpose?

12. What is a reduce function () & purpose?

13. Why do we use Conditional st in our application? 58

14. What is the difference b/w elif and nested If statement?

15. How to display 10th table by using for loop?

16. What is the difference b/w for Loop and while loop?

17. How to iterate a loop by using for loop?

18. What is continue and break statement?

19. What is the meaning of Comprehension?

20. What are the different types of comprehensions supports in python?

21. How to read data from text files?

22. How to get last line from the file?

23. How to count no. of file lines in the file?

24. How to count no. of words in the file?

25. How to get first word for all the lines in the file?

26. How to get specific page data from the file?

27. What is the difference b/w seek() & tell()?

28. What is the difference b/w readline() & readlines()?

29. What are the different types of modes available in the file operations?

30. What is the default mode in the file operations?

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31. what is the difference b/w append (a) and write (w) modes?

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32. what are the different oops Concepts?

33. what is the data abstraction?

34. what is the Inheritance? & types?

35. what type of inheritance you used in your Last project?

36. what is Polymorphism?

37. what is the difference b/w method overloading & overriding?

38. Can we implement method overloading Completely in Python?

39. what is the class & object?

40. what are the different types of variables in python?

41. what is a module? type of modules?

42. List out some 3rd party modules?

43. How to install 3rd party module in python?

44. what is pip? & purpose of pip?

45. what are the different ways of modules to import modules in python?

46. Can we use members of other modules, without importing the module?

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47. what is an exception? How to handle an exception?

48. Can we implement user defined exception is python?

49. what is the difference b/w else & finally block.

50. what is the logging? purpose of Logging.

51. what are different Levels of Logging?

52. what is the default log Level in the python?

53. what is the extension of Log file?

54. what is the iterator? and one example?

55. what is Generator? and on eg?

56. what is decorator & one eg?

57. How to perform unit testing in python?

58. which modules we use to perform unit testing in Python?

59. which database you used in your Last project?

60. what is the module that we use to get data from Oracle database?

61. How did you connect to your database in your project?

62. what is the difference b/w numpy arrays & python list?

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63. Write a python function to swap two numbers?

64. Write a python function to check whether number is prime or not?

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65. Write a python function to check whether number is palindrome or not?

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