

- 1)What is python.Explain briefly?
- 2)How to set path in python?
- 3)What are the features of python?
- 4)What are the recommended versions of python and write few differences between them?
- 5)What is shell?
- 6)Difference between **interactive** and **development mode**?
- 7)Write different ways of executing a python file?
- 8)Write Main difference between **compiler** and **interpreter** ?
- 9)How are **CPython**, **Jython**, and **IronPython** different?
- 10)What is a variable.Give some examples?
- 11)What are data types in python.Give examples?
- 12)What is operator?
- 13)What are difference between / and //, \* and \*\*.Give an example?
- 14)What is comments in python?
- 15)Which command is used to close help window or help command prompt?
- 16)What are conditional statements.Explain?
- 17)What are looping statements.Explain?
- 18)What is indentation?
- 19)Difference between **break,continue** and **pass**?
- 20)Write any four string manipulations.Give examples?
- 21)Difference between **strip,lstrip** and **rstrip**?

22)What is list.Explain with example?

23)Write a program for following methods?

**a)append() b)insert() c)extend() d)index() e)remove f)sort() g)reverse()**

24)What is list comprehensions.Give an example?

25)Write about **pop(),del()** and **clear()**?

26)What is slicing.Give an example in tuples?

27)What are mutable and immutable objects?

28)How to update a dictionary?

29)How to overcome KeyError in dictionary?

30)Write a simple program on sets union,intersection,difference and symmetric difference?

31)What is issubset.Give some example?

32)What is function.Give an example?

33)Explain python **zip()** function?

34)Explain python pass by reference vs pass by value?

35)What is scope and explain scope variables in python?

36)What are generators and give example?

37)Write a program on **map(),reduce(),filter()** in Anonymous functions?

38)What are different modes of file operations?

39)Write about **tell()** and **seek()**?

40)Write difference between **read(),readline()** and **readlines()**?

41)How to get filename and directory name in file?

42)What is python module?

43)Explain shortest way to open a text file and display its contents?

44)What is the use of **enumerate()** in python?

45)How to reload a module?

46)What are packages?

47)What is exception?

48)Explain the following?

**a)StopIteration b)SystemExit c)ZeroDivisionError d)KeyError**

49)What are user-defined exceptions.Give examples?

50)What is class and object.How to create it?

51)Explain inheritance in python with example?

52)What is multithreading .Give example?

53)Differentiate between **.py** and **.pyc** file?

54)How to make connection with database in python?

55)Explain **w+** and **^** expression?

56)Write syntax for regular expression?

57)Explain **re.M**?

58)what are regular expression methods and explain?

59)Explain the following?

**a)threading.activeCount b)threading.currentThread c)threading.enumerate**

60)What is cursor object ?