

AI (ML & DL) Course Assessment - 50 MCQs by Arib Ahsan

1. What does AI stand for?

• Artificial Integration

• Automated Input

• Artificial Intelligence

• Actual Intelligence

2. Which software is commonly used to manage Python environments?

• Oracle

• Anaconda

• VS Code

• Docker

3. Which editor is used for Python development?

• Notepad

• Photoshop

• VS Code

• CorelDraw

4. Which command shows the current working directory in Linux?

• ls

• cd

• pwd

• mkdir

5. Which command is used to display file content?

• ls

• cat

• mv

• cp

6. What does 'sudo' do in Debian?

• Change directory

• Gives root permissions

• Prints content

• Deletes file

7. Which operator is used for exponentiation in Python?

• ^

• \*\*

• \*

• %

8. What is the result of type(input()) in Python?

• int

• str

• float

• bool

9. Which keyword is used to create a comment?

• //

• #

• /\*

• <!--

10. Which data structure is immutable?

• List

• Set

• Tuple

• Dictionary

11. Which data structure stores key-value pairs?

• List

• Tuple

• Set

• Dictionary

12. What is the result of set([1, 2, 2, 3])?

• [1, 2, 2, 3]

• {1, 2, 3}

• (1, 2, 2, 3)

• Error

13. Which keyword is used to skip current loop iteration?

• pass

• break

• continue

• stop

14. Which loop is used when iterations are fixed?

• while

• for

• do-while

• foreach

15. Which of these is a ternary expression?

• if-elif

• if else

• Inline if-else

• while if

16. Which function is used to define anonymous function?

• def

• lambda

• func

• return

17. Which built-in function applies another function to each item?

• map

• filter

• reduce

• sum

18. Which function filters elements based on condition?

• map

• reduce

• filter

• lambda

19. What does lambda return?

• Variable

• Function object

• Value

• Class

20. Which function opens a file for reading?

• file()

• read()

• open()

• input()

21. What symbol is used for modulo operation in Python?

• %

• //

• \*\*

• &

22. What is the output of bool(0)?

• True

• False

• None

• 0

23. Which keyword is used to handle exceptions?

• try

• catch

• except

• handle

24. Which keyword defines a function?

• define

• func

• def

• function

25. What does 'pass' do in a loop?

• Stops loop

• Skips iteration

• Does nothing

• Returns value

26. Which function returns the length of a list?

• count()

• len()

• size()

• length()

27. Which command creates a directory in Linux?

• mkdir

• makedir

• newdir

• createdir

28. Which command is used to remove a file in Linux?

• delete

• rm

• remove

• erase

29. Which of the following is a correct tuple?

• [1,2]

• {1,2}

• (1,2)

• <1,2>

30. Which of these opens a file in append mode?

• 'a'

• 'r'

• 'w'

• 'x'

31. Which is not a valid Python data type?

• list

• float

• character

• dict

32. What keyword exits a function early?

• stop

• exit

• return

• end

33. Which function is used to read all lines of a file?

• read()

• readlines()

• readall()

• input()

34. Which operator is used to check equality?

• =

• ==

• !=

• ===

35. What is the purpose of the 'map' function?

• Filter items

• Apply function

• Sort list

• Create dict

36. Which function combines multiple iterables?

• zip()

• map()

• merge()

• combine()

37. Which Python statement is used for exception handling?

• try-except

• if-else

• while

• return

38. Which function writes content to a file?

• read()

• write()

• append()

• open()

39. What is the use of the 'with' statement in file handling?

• Loop file

• Automatically close file

• Rename file

• Open in append mode

40. Which function converts a number to string?

• str()

• int()

• float()

• bool()

41. Which function gives the absolute value?

• abs()

• fabs()

• ceil()

• floor()

42. Which keyword starts a loop in Python?

• loop

• repeat

• for

• run

43. What is the type of range(5)?

• list

• tuple

• range

• dict

44. Which function is used to create a list of numbers?

• range()

• list()

• map()

• array()

45. Which symbol is used for exponentiation?

• \*

• \*\*

• ^

• //

46. What does enumerate() return?

• Index only

• Value only

• Index and value

• Length

47. What is the result of 5 // 2?

• 2.5

• 3

• 2

• 1

48. Which data structure is best for fast lookup?

• List

• Tuple

• Set

• Dictionary

49. Which function converts string to float?

• float()

• str()

• int()

• double()

50. What is the result of 3 == 3.0?

* False
* True
* Error
* None