

Assignment 1 Variables

This Assignment covers the concepts of variables

* Required

1. Email address *

2. CERTIFICATION BATCH NO *

Mark only one oval.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ OTHER

3. CERTIFICATION BATCH NO *

Mark only one oval.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ OTHER

4. 1. Which of the following is contained in NumPy library? *

Mark only one oval.

- ☐ n-dimensional array object
- ☐ tools for integrating C/C++ and Fortran code
- ☐ fourier transform
- ☐ all of the Mentioned

5. 2. Point out the wrong statement *

Mark only one oval.

- ☐ ipython is an enhanced interactive Python shell
- ☐ matplotlib will enable you to plot graphics
- ☐ rPy provides a lot of scientific routines that work on top of NumPy
- ☐ all of the Mentioned

6. 3. The _____ function returns its argument with a modified shape, whereas the _____ method modifies the array itself *

Mark only one oval.

- ☐ reshape,resize
☐ resize,reshape
☐ reshape2,resize
☐ all of the Mentioned

7. 4. To create sequences of numbers, NumPy provides a function _____ analogous to range that returns arrays instead of lists. *

Mark only one oval.

- ☐ arange
☐ aspace
☐ aline
☐ all of the Mentioned

8. 5. Which of the following function stacks 1D arrays as columns into a 2D array? *

Mark only one oval.

- ☐ row_stack
☐ column_stack
☐ com_stack
☐ all of the Mentioned

9. 6. Which of the following sets the size of the buffer used in ufuncs ? *

Mark only one oval.

- ☐ bufsize(size)
☐ setsize(size)
☐ setbufsize(size)
☐ all of the Mentioned

10. 7. Which of the following attribute should be used while checking for type combination input and output ? *

Mark only one oval.

- ☐ .types
☐ .type
☐ .class
☐ all of the Mentioned

11. 8. Which of the following returns an array of ones with the same shape and type as a given array ? *

Mark only one oval.

- ☐ all_like
- ☐ ones_like
- ☐ one_alike
- ☐ all of the Mentioned

12. 9. Which of the following set the floating-point error callback function or log object ? *

Mark only one oval.

- ☐ setter
- ☐ settercall
- ☐ setterstack
- ☐ all of the Mentioned

13. 10. _____ decompose the elements of x into mantissa and twos exponent? *

Mark only one oval.

- ☐ trunc
- ☐ fmod
- ☐ frexp
- ☐ ldexp

14. Certification Batch no *

Mark only one oval.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

15. 1. Which is the correct operator for power(xy)? *

Mark only one oval.

- ☐ x^y
- ☐ x**y
- ☐ x^^y
- ☐ None of the mentioned

16. 2. Which one of these is floor division?*Mark only one oval.*

- ☐ /
- ☐ //
- ☐ %
- ☐ None of the mentioned

17. 3. What is the order of precedence in python? i) Parentheses ii) Exponential iii) Multiplication iv) Division v) Addition vi) Subtraction*Mark only one oval.*

- ☐ i,ii,iii,iv,v,vi
- ☐ ii,i,iii,iv,v,vi
- ☐ ii,i,iv,iii,v,vi
- ☐ i,ii,iii,iv,vi,v

18. 4. What is the answer to this expression, 22 % 3 is?*Mark only one oval.*

- ☐ 7
- ☐ 1
- ☐ 0
- ☐ 5

19. 5. Mathematical operations can be performed on a string. State whether true or false?*Mark only one oval.*

- ☐ True
- ☐ False
- ☐ Both
- ☐ None of the Above

20. 6. Operators with the same precedence are evaluated in which manner?*Mark only one oval.*

- ☐ Left to Right
- ☐ Right to Left
- ☐ Can't say
- ☐ None of the mentioned

21. 7. What is the output of this expression, 3*13?***Mark only one oval.*

- ☐ 27
- ☐ 9
- ☐ 3
- ☐ 1

22. **8. Which one of the following has the same precedence level?**

Mark only one oval.

- ☐ Addition and Subtraction
- ☐ Multiplication, Division and Addition
- ☐ Multiplication, Division, Addition and Subtraction
- ☐ Addition and Multiplication

23. **9. The expression `int(x)` implies that the variable `x` is converted to integer. State whether true or false?**

Mark only one oval.

- ☐ True
- ☐ False
- ☐ Both
- ☐ None of the Above

24. **10. Which one of the following has the highest precedence in the expression?**

Mark only one oval.

- ☐ Exponential
- ☐ Addition
- ☐ Multiplication
- ☐ Parentheses

25. **Certification Batch no ***

Mark only one oval.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

26. **1) Is Python case sensitive when dealing with identifiers? ***

Mark only one oval.

- ☐ yes
- ☐ no
- ☐ machine dependent
- ☐ none of the mentioned

27. 2) Which of the following is invalid? **Mark only one oval.*

- ☐ __a = 1
- ☐ _a = 1
- ☐ __str__ = 1
- ☐ none of the mentioned

28. 3) Which of the following is an invalid variable? **Mark only one oval.*

- ☐ my_string_1
- ☐ 1st_string
- ☐ foo
- ☐ _

29. 4) Why are local variable names beginning with an underscore discouraged? **Mark only one oval.*

- ☐ they are used to indicate a private variables of a class
- ☐ they confuse the interpreter
- ☐ they are used to indicate global variables
- ☐ they slow down execution

30. 5) Which of the following is not a keyword? **Mark only one oval.*

- ☐ eval
- ☐ assert
- ☐ pass
- ☐ nonlocal

31. 6) All keywords in Python are in **Mark only one oval.*

- ☐ lower case
- ☐ UPPER CASE
- ☐ Capitalized
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32. 7) Which of the following is true for variable names in Python? **Mark only one oval.*

- ☐ unlimited length
- ☐ all private members must have leading and trailing underscores
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33. 8)Which of the following is an invalid statement? *

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- ☐ abc = 1,000,000
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46. **Certification Batch no ***

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