بسم الله الرحمن الرحیم

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1. Which of the following are invalid identifiers in Python?

a. Total-sum

b. Error

c. Error count

d. None of these

2. A \_\_\_\_\_\_\_\_\_\_\_\_\_ is a sequence of one or more characters used to provide a name for

A given program element.

a. Identifier

b. Variable

c. String

d. Character

3. Identify the invalid identifier below.

a. \_2017discount

b. Profit

c. Total-discount

d. Total discount

4. \_\_\_\_\_\_\_\_\_\_\_\_\_ are not allowed as part of an identifier.

a. Spaces

b. Numbers

c. Underscore

d. All of these

5. Identifiers may contain letters and digits, but cannot begin with a \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. Character

b. Digit

c. Underscore

d. Special Symbols

6. Which is not a reserved keyword in Python?

a. insert

b. except

c. import

d. yield

7. Identify the invalid keyword below.

a. and

b. as

c. while

d. until

8. \_\_\_\_\_\_\_\_\_\_\_\_\_ is an identifier that has predefined meaning.

a. variable

b. identifier

c. keyword

d. None of these

9. Bitwise \_\_\_\_\_\_\_\_\_\_\_\_\_ operator gives 1 if one of the bit is zero and the other is 1.

a. or

b. and

c. xor

d. not

10. Guess the output of the following code.

1 > 2 and 9 > 6

a. True

b. False

c. Machine Dependent

d. Error

11. How many operands are there in the following arithmetic expression?

6 \* 35 + 8 − 25

a. 4

b. 3

c. 5

d. 8

12. How many binary operators are there in the following arithmetic expression?

− 6 + 10 / (23 + 56)

a. 2

b. 3

c. 4

d. 5

13. Which operator returns the remainder of the operands?

a. /

b. //

c. %

d. \*\*

14. A \_\_\_\_\_\_\_\_\_\_\_\_\_ is a name that is associated with a value.

a. identifier

b. keyword

c. variable

d. None of these

15. Guess the output of the following expression.

Float (22//3+3/3)

a. 8

b. 8.0

c. −8.3

d. 8.333

16. What value does the following expression evaluate to?

2 + 9 \* ((3 \* 12) – 8) / 10

a. 27

b. 27.2

c. 30.8

d. None of these

17. \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_ are two ways to comment in Python.

a. Single and Multilevel comments

b. Single line and Double line comments

c. One and Many line comments

d. Single line and Multiline comments

18. Single-line comments start with the \_\_\_\_\_\_\_\_\_\_\_\_\_ symbol.

A. \*#

B. #

C. \*

D. &

19. Multiline comments can be done by adding \_\_\_\_\_\_\_\_\_\_\_\_\_ on each end of the

Comment.

a. "'"'(triple quote)

b. # (Hash)

c. $ (dollar)

d. % (modulus)

20. Python programs get structured through \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. Alignment

b. Indentation

c. Justification

d. None

21. In Python, Indentation is a \_\_\_\_\_\_\_\_\_\_\_\_\_ and not a matter of style.

a. Requirement

b. Refinement

c. Not required

d. Not Refined

22. Which of the following is correct about Python?

a. Python is a high-level, interpreted, interactive and object-oriented

Language.

b. Python is designed to be highly readable.

c. It uses English keywords frequently and has fewer syntactical constructions.

d. All of the above.

23. Which of the following function is used to read data from the keyboard?

A. function ()

B. str()

c. input()

D. print ()

24. The one’s complement of 60 is given by \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. −61

b. −60

c. −59

d. +59

25. The operators *is* and *is not* are \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. Identity Operators

b. Comparison Operators

c. Membership Operators

D. Unary Operators

26. In Python an identifier is \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. Machine Dependent

b. Keyword

c. Case Sensitive

d. Constant

27. Which of the following operator is truncation division operator?

A /

B. %

c. |

D. //

28. The expression that requires type conversion when evaluated is \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. 4.7 \* 6.3

b. 1.7 % 2

c. 3.4 + 4.6

D. 7.9 \* 6.3

29. The operator that has the highest precedence is \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. << and >>

B. \*\*

C. +

D. %

30. The expression that results in an error is \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. int('10.8')

b. float(10)

c. int(10)

d. float(10.8)

31. Which of the following expression is an example of type conversion?

a. 4.0 + float (3)

b. 5.3 + 6.3

c. 5.0 + 3

d. 3 + 7

32. What is the output when the following statement is executed?

>>>print ('new' 'line')

a. Error

b. Output equivalent to print ‘new\line’

C. new line

D. newline

33. What is the output when the following statement is executed?

Print (0xD + 0xE + 0xF)

a. Error

b. 0XD0XE0XF

c. 0X22

d. 42

34. What is the output of print (0.1 + 0.2 == 0.3)?

a. True

b. False

c. Error

d. Machine dependent

35. Which of the following is not a complex number?

a. l = 4 + 5j

b. l = complex(4,5)

c. l = 4 + 5i

d. l = 4 + 5j

36. Guess the output of the expression.

x = 15

y = 12

x & y

a. 1101

b. b1101

c. 0b1101

d. 12

37. Incorrect Indentation results in \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. Indentation Error

b. Name Error

c. Type Error

d. Syntax Error

38. The function that converts an integer to a string of one character whose ASCII

code is same as the integer is \_\_\_\_\_\_\_\_\_\_\_\_\_.

a. chr(x)

b. ord(x)

c. eval(x)

d. input(x)

**Review Questions**

1. Explain different Operators in Python with examples.

We have five operators in python

1. Define a variable. How to assign values to them?

Variable is a named placeholder to hold any type of data the program can use to assign and modify during the course of execution. We can simply assign value to a name.

1. Briefly explain binary left shift and binary right shift operators with examples.

Binary left shift the left operand value is moved left by the number of bits specified by right operands.

Example: p<<2=240

(Means 11110000)

1. Explain precedence and associativity of operators with examples.

Operators are symbols, such as +,-,= and < that perform certain mathematical or logical operation to man ipulate data values and produce a data value and produce result based on some roles an operator manipulates the date values called operands.

1. Outline different assignment operators with examples.

Assignment operators are used for assigning the values generating after evaluating the right operands.

X=5

X=x+1

X

6

1. Briefly explain how to read data from the keyboard.

We can only write the letter and find the value by the coding way the I am I am not familiar with that way that how can they find the value from keyboard but you can simply ask from chat GPT that is very intelligent and have more information about that.

1. Explain Type conversion in Python with examples.

We have three type of conversation in python.

1. Write a short note on data types in Python.

We have four data types in python:

Boolean string float integer

9. Write a program to read two integers and perform arithmetic operations on them

(Addition, subtraction, multiplication and division).

Def add:

def add(a,b):  
 return a+b  
def sub(a,b):  
 return a-b  
def mul(a,b):  
 return a\*b  
def div(a,b):  
 return a/b  
print(add(1,2))  
print(sub(2,1))  
print(mul(2,1))  
print(div(2,1))

1. Write a program to read the marks of three subjects and find the average of them.
2. def average(a,b):  
    return a+b/2  
   print(average(90,75))
3. Write a program to convert kilogram into pound.
4. kg=int(input("enter kg:"))  
   pound=kg\*0.453592  
   print(pound)

12. Surface area of a prism can be calculated if the lengths of the three sides are

Known. Write a program that takes the sides as input (read it as integer) and prints

The surface area of the prism (Surface Area = 2ab + 2bc + 2ca).

length=int(input("enter the length of the table"))  
hight=int(input("enter the height of the table"))  
wide=int(input("enter the wide of the table"))  
print(length\*hight\*wide)

13. A plane travels 395,000 meters in 9000 seconds. Write a program to find the speed

Of the plane (Speed = Distance / Time).

def divide(a,b):  
 return a/b  
print(divide(395000,9000))

14. You need to empty out the rectangular swimming pool which is 12 meters long,

7 meters wide and 2-meter depth. You have a pump which can move 17 cubic

Meters of water in an hour. Write a program to find how long it will take to empty

Your pool? (Volume = l \* w \* h, and flow = volume/time).

15. Write a program to convert temperature from centigrade (read it as float value) to

Fahrenheit.

cintigrade=int(input("enter your cintigrade number"))  
paranhite=cintigrade\*2  
print(paranhite)

16. Write a program that calculates the number of seconds in a day.

day=["24hours"]  
hours=["60minuts"]  
minutes=["60sec"]  
day=[60\*60\*24]  
print(day)

17. A car starts from a stoplight and is traveling with a velocity of 10 m/sec east in

20 seconds. Write a program to find the acceleration of the car. (acc = (v final−v initial)/

Time).