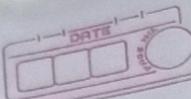


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Class :- BCS IIIrd year.

Subject :- Data Science

Class Assignment - 02.

Batch :- no - DA-19

10.00
B
30.

Q. 1)

→ Difference between a list and a tuple
in with example.

list

tuple

• lists are defined by bracket [] • tuple are defined by parenthesis ()

• list are mutable • tuple are immutable.

• Eg. =

i = [10, 20, 30]

• Eg. =

i = (10, 20, 30)

Q. 2)

→ The purpose of the set data type
in python.

In set data type of python
we are using to store several items in a single variable.

It is one of the four built in list data types.

(1)

Q.3)

→ The key difference between a float and an integer data type in python.

float

- in float variable is the point values

integer

- in the integer variable is the not point.

- Eg example of float

a = [1., 2., 3., 4.]

- Eg example of integer.

a = [1, 2, 3, 4]

Q.4)

→ The dictionary data type in python differ from list and tuples.

The dictionary are different data structure in python list are ordered collection and the data in key values and pair from both list and dictionaries the tuples and in ordered in python.

(2)

(1)

(Q.5)

→ Doc string and use of this string.

A python doc string is a string used to document a python module class a function or method so we can understand what it does without having to read the details of the implementation.

①

(Q.6)

→ Operator refer to special symbol that perform operator on value and variable. Furthermore, the operand in python, one of the programming language, refer to the value in which the operator operates.

①

(Q.7)

→ Example. Is this will print

```
def ("frag"):  
    my-function()  
    print = ("Hello World")
```

①

The is operator help us to check weather the different variable point toward a similar object to the memory.

Q.8)

- the use of the += operator in python.
- The use of += operator in python is to derive the value. Whether the value is += operator

The plus - equals operator += provided a converted ways to add a value to an existing variable and assign the new back to the same variable.

Q.9)

- Role of + operator in python

Operator defer to operator
create the role of operator
Special symbols combination of symbols or key words

they designate some type of computation you can

combine object and operator to built expression that

perform the actual computation

So operator are the building

block of expression which

you can use to manipulate

your data.

⑫

Q.10)

→ The concept of ternary operator (or if condition else) in python.

It returns true or false value by evaluating a boolean condition. It is shorter and more readable than simple if else statement.

Q.11)

→ purpose of the if statement in python.

The if-else statement is used to execute both the true part and the false part of a given condition.

Q.12)

→ The difference between while and for loops in python.

~~The main difference between while and for loops.~~

Q.13)

→ The significance of the break statement in python.
The control statement is used to the control statement control the sequence of the loop suppose you want to terminate the loop and skip to the next code offer the loop break will help to do that and typically scenario is using condition to the break statement.

(2)

Q.14)

→ The role of the continue statement in python. A code snippet demonstrating its use.

The continue statement in python is used to skip the remaining code inside a loop for the current iteration only. pass: The pass statement in python is used when a statement in python for the array iteration.

(3)

Q.15)



The loop else clause is a control contribute to the flow in python

In for loop the else clause is executed after the loop reached its final iteration in will loop it's a executed after the loops condition become false in either kind of loop the else clauses is not executed if the loop will terminated a break.

(2)