

## ASSIGNMENT-I

1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

i) \*

ans) multiplication operator.

ii) 'hello'

ans) String.

iii) -87.8

ans) float

iv) -, /, +

ans) Mathematical operators.

v) 6

ans) integer value.

2. What is the difference between string and variable?

ans) String and variable both are data storing elements. Variable can store any type of data, but string can store data in characteristics form only.

3. Describe three different data types.

ans) i) Integer(int)

---> integer is also called as 'int' is used to store int values. eg:- like 2,3,4,55,66,99

ii) Float

---> float is used to store float values. eg:- like 2.5,3.5,66.8,89.3

iii) String

---> string is used to store characters. eg:- "Dinesh", "Bharath", "Lakshu".

4. What is an expression made up of? What do all expressions do?

ans) an expression is a combination of operators and operands. By using an expression we can perform mathematical operations.

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

ans) expressions are unique, we can't change the meaning of them and they return a value, while statements have two sides in execution, and they can't return any value.

6. After running the following code, what does the variable bacon contain?

```
bacon = 22
```

```
bacon + 1
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ans) 23

7. What should the values of the following two terms be?

ans) i. 'spam' + 'spamspam'

ii. 'spam' \* 3

ans) i. "spamspamspam"

ii. "spamspamspam"

8. Why is eggs a valid variable name while 100 is invalid?

ans) according to programming language , a variable must be alphabets, and combinations of alphanumeric symbols , but ,here eggs is an valid variable because it contains alphabets where has 100 is an integer value , integer values are directly not allowed to assign as a variable.

9. What three functions can be used to get the integer, floating-point number, or stringversion of a value?

ans) 1.int() , 2. float() , 3.string(" ")

eg:-

to get the int value

1. a=12,34    2.b=23.3,45.6    3. c="charan"

print(a)

print(b)

print(c)

10. Why does this expression cause an error? How can you fix it?

'I have eaten' + 99 + 'burritos'

ans) In the above an expression is there which is a combination of string and integer values. actually we can't print string values with a int values. but we can print the whole expression by fixing the (" ") inverted commas to int value 99. which looks like 'i have eaten' + '99' + 'burritos'