```
In [ ]:    ##1. In the below elements which of them are values or an expression? eg:- values ca
           *      - "expression"
           'hello'-"values"
           -87.8  - "values"
           -      - "expression"
           /      - "expression"
           +      - "expression"
           6      - "values"
```

```
In [ ]:    ##2. What is the difference between string and variable?
           string: A string is a sequence of charachters which is represented in single quotes
           variable: variable is a reserved memory location to store values
```

```
In [ ]:    ##3. Describe three different data types.
           int data type: They are often called as integer data type which represents the posit
                          decimal point eg: 1,-56,+56

           float data type: Float is used to represent real numbers and is written with a decim
                            Eg: 8.75,2,50

           bool data type : we can use this datatype to represnt boolean values . The only allo
                            are "true or false". Internally python represents True as 1 and Fal
```

```
In [ ]:    ##4. What is an expression made up of? What do all expressions do?
           An expression is a combination of values, variables, operators, and calls to functio
           An expression is an instruction that combines values and operators and always evalua
```

```
In [ ]:    ##5. This assignment statements, like spam = 10. What is the difference between an e
           An expression evaluates to a value. Expression is a combination of variables, operat
           Statements represent an action or command e.g print statements, assignment statement
```

```
In [1]:    ##6. After running the following code, what does the variable bacon contain?
           bacon = 22
           bacon + 1
```

Out[1]: 23

```
In [2]:    ##7. What should the values of the following two terms be?
           'spam' + 'spamspam'
           'spam' * 3
```

Out[2]: 'spamspamspam'

```
In [ ]:    ##8. Why is eggs a valid variable name while 100 is invalid?
           Because variable names cannot begin with a number.
```

```
In [3]:    ##9. What three functions can be used to get the integer, floating-point number, or
           str()
           int()
           float()
```

Out[3]: 0.0

In [9]:
```python
##10. Why does this expression cause an error? How can you fix it?

var="I have eaten" + " 99 " + "burritos"
print(var)
```

I have eaten 99 burritos

In [ ]:

In [ ]: