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. *,hello,-87.8,-,/,+,6

ans. * is a operator.hello is a string.-87.8 in integer. - is an operator. / is an operator. + is an operator. 6 is an integer.

1. What is the difference between string and variable?

ans. String is sequence of character. and the value of the variable can change depending on the conditions.

1. Describe three different data types.

ans. integer e.g.--> 8, 7 ,0, 1 , -4, -6, string e.g.--> "arka", "10012", boolean e.g. --> True , False

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

ans. Expression made of variable, oparators and functions . A meaningful expression can lead to a output.

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

ans. Declaration of any variable called statement. It can not generate any result.An expression in Python is a combination of operators and operands.

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

bacon = 22

bacon + 1

ans. Bacon contains the value which was declared in beginning i.e. 22

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

print('spam'+'spamspam')

print('spam'*3)

In [10]:
```python
print('spam'+'spamspam');print('spam'*3)
```

```
spamspamspam
spamspamspam
```

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

ans. Eggs is a valid variable name because the value it contains that is more than 1. And eggs is the plural form of egg which indicates single egg.

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

ans. int() for integer , float() for floating point number, str() to get string value.

1. Why does this expression cause an error? How can you fix it? 'I have eaten' + 99 +'burritos'

ans. only string variables can be concatenate . 'str 1' +'str 2' can be possible. To overcome this problem new epression will be 'I have eaten ' + '99 '+'burritos'

```
In [15]: print('I have eaten ' + '99 '+'burritos')
```
```
I have eaten 99 burritos
```

In [ ]: