

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.

* -[Expression-Multiplication operator]

'hello'-[value-String]

-87.8-[value-integer]

- -[Expression-subtraction]

/ -[Expression-Division]

+ -[Expression-Addition]

6 -[Value-Integer]

2. What is the difference between string and variable?

Answer-1.string we are writing in "", while variable not required ""

2.string will be with any alphabet,number i.e. anything with "",variable can store any data types

3.we can save string in variable but vice versa is not possible

4.String is value representing any text while variable is used to save any value

3. Describe three different data types.

Ans: 1.Boolean 2.Integer 3. String

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

Ans: Expression made up of operators, variables , values to do certain process and produce values

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

Ans: Expression-combination of variable,operators,values ,produce values

Statement-command or instruction, use to initialize variable

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

```
bacon = 22
```

```
bacon + 1
```

Ans: 22

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

```
'spam' + 'spamspam'
```

Ans: 'spamspamspam'

```
'spam' * 3
```

Ans: 'spamspamspam'

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

Ans: You can write variable name with a-z only not with numbers

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

Ans: print,

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

```
'I have eaten ' + 99 + ' burritos.'
```

Ans: we can concatenate only string

```
'I have eaten' + '99' + 'burritos'
```

