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-
Values- "hello",-87.6,6
 Expressions- * , - , / , +

 2. What is the difference between string and variable?
 Ans-
    Strings are any alphabatical word within " " or ' '
Ex-
"himanshu"
"akash"

Veribles are   any thin a word or a alphabet which is having some value
Ex-
A=256
b=[4,6,6,54,6,4,54]
 Akash=["him" ,4,5,4,5,4,5,8,]

3. Describe three different data types.
Ans-
Boolean data type- contain true or false
Text data type-alphabetical word ,sentence
Numeric data ty[pe-1,2,3,4,5,67
Float fdata ty[pe-25.56,56.45,48.58,

4. What is an expression made up of? What do all expressions do?
Expression are mathematical simbolswhich do mathematical operayions
Ex- *-multiply , +-addition , -subtracti0on
An expression is a construct made up of **variables, operators, and method invocations,**

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?
Ans-
Expression is a combination of values and functions that are combined and are interpreted by the compilar to create a new value
Statement-statement is a just a stsndalone unit of execution and does not return anything

6. After running the following code, what does the variable bacon contain?
bacon = 22
bacon + 1
Ans
-23

7. What should the values of the following two terms be?
'spam'+'spamspam'
'spam'*3
Ans-
'spamspamspam'
'spamspamspam'

8. Why is eggs a valid variable name while 100 is invalid?
Because is a string that can assign a variable
But 100 can not assign a value because its a numerical value

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

10. Why does this expression cause an error? How can you fix it?
'I have eaten'+ 99 +' burritos'
Ans-
Because string and integer can be added