**Assignment\_1(Solution)**

1. \* is an expression

‘hello’ is a value

-87.8 is a value

- is an expression

/ is an expression

+ is an expression

6 is a value

1. Variables are symbols in which we can store data.

String is a form of datatype.

1. The three different types of datatype are-

Integer- used to store integer values like 6,-6,0 etc.

Float- used to store decimal numbers like 8.8,654.8 etc.

String- it is a collection of one or more characters put under quotes. Example of strings are ‘Ineoron’, ‘python’,’datascience’ etc.

1. An expression is a combination of operators and operand. For eg.

54\*6+8 where 54,6,8 are operands and \* and + are operators.

All expressions produce a value.

1. Expression produces a value and assignment assigns some value. In spam=10, the value 10 is assigned to spam.
2. Bacon has a value equal to 23
3. Both the terms will give ‘spamspamspam’ as output.
4. A variable name cannot start with a numeric value.
5. Int() can be used to get integer, float() to get floating point number, str() to get string.
6. It causes an error because we cannot concatenate an integer to a string. ‘I have eaten’ ,str(99), ‘burritos’. This expression will not give an error.