# DAY-1 AFTERNOON ASSIGNMENT:

# SECTION-1

1.A string is a collection of characters enclosed with single quotes or double quotes.

2.Using single quotes or double quotes or triple quotes.

3.addition operator (+)

4.s[0]

5.length of hello is 5

6.using upper()

7.s.startswith(‘A’)

8.removes the starting and ending white spaces for a string.

9.isaplha() returns true if all are alphabets in a string where as isdigit() returns true if all are digits in a string.

10.s.replace(‘a’ , ‘@’)

# SECTION 2:

11.string.find()

Find method is used to check if a specific character is present in a string and returns the index of the character in the string and if the character is not present in the string it returns -1.

12.If the character is not present in the string find returns -1 whereas index returns error.

13.List is the return type of split().

14. join() is used to join a list of strings into a single string.

15. islower() method is used to check if all the characters in a string are lower.

16. title() method is used to convert the string to a title case

17.output of Hello.lower() is hello.

18.by using count method ---string.count(‘substring’)

19.returns true if the string starts with specific characters or substring.

Example:

text="my name is vidya"

print(text.startswith('my name'))

o/p: True

20. print(' Hello '.lstrip())

o/p: ‘Hello ‘

# Section 3:

21. = is assignment operator which is used to assign values

== is used comparison operator which is used to compare two values and returns True if two are equal else returns False.

22.a+=5 which adds 5 to the value of a and assign it back to the a itself.

23.a=b=10

Multiple variables assignment in a single line where a and b is assigned to 10.

24.let a be 5

a\*=2 🡪 a=a\*2

🡪a=5\*2

🡪a=10.

Program:

a=5

a\*=2

print(a)

o/p: 10

25. // -floor division operator

# Section -4

26. all the three arithmetic operators in python are: + (addition), - (subtraction) ,

\* (multiplication).

27. 5+3\*2 output is 11

28.the result of 10/3 is 3.33333..

29./ operator performs true division it returns decimal value whereas // operator performs floor division it returns integer value of the quotient.

30.result of 2\*\*3 is 8.

31.modulus operator is used to return the remainder of the division.

32. -5 % 3 the result is 1.

33.precedence order of arithmetic operators is exponential>Multiplication>Division>Addition>Subtraction.

34. 4+3-2\*2/1 the o/p is 3.0

35.\*\* (exponential) is used to calculate powers in python.

# Section 5:

36. “Hello” + “ “+”World”

37. s="Hello"

print(s[-1])

38. a\*=2

39. s="python"

print(s[1:4])

40. "apple" in s🡪using ‘in’