1. What are escape characters, and how do you use them?

Ans:The insert character that are illegal in a string, use an escape character.

An escape character is backslash \ followed by the character you want to insert .

Eg. txt = "We are the so-called \"Vikings\" from the north."

print(txt)

1. What do the escape characters n and t stand for?

Ans: a)\n -stands for next line. b) \t-stands for tab

Eg. txt="husna\nshamlik" eg. txt="husna\tshamlik"

print(txt) print(txt)

o/p:husna o/p:husna shamlik

shamlik

1. What is the way to include backslash characters in a string?

Ans:\\-stands for backslash

Eg. txt="husna\\shamlik"

print(txt)

husna\shamlik

1. The string "Howl's Moving Castle" is a correct value. Why isn't the single quote character in the word Howl's not escaped a problem?

Ans: The single quote character in Howl’s is fine because we are used doubled quote to mark beginning and at the end of the string.

1. How do you write a string of newlines if you don't want to use the n character?

Ans: Multiline string evaluate you to use new lines in string without using \n escape character.

6. What are the values of the given expand at expressions?

1.'Hello, world!'[1]

Ans:’e’

2. 'Hello, world!'[0:5]

Ans: ‘Hello’

3. 'Hello, world!'[:5]

Ans: ‘Hello’

4. 'Hello, world!'[3:]

Ans: ‘lo, world!’

7. What are the values of the following expressions?

a)'Hello'.upper()

Ans: ‘HELLO’

b)'Hello'.upper().isupper()

Ans: True

c) 'Hello'.upper().lower()

ans: ‘hello’

8. What are the values of the following expressions?

a) 'Remember, remember, the fifth of July.'.split()

ans: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

b) '-'.join('There can only one.'.split())

ans: 'There-can-only-one.'

9. What are the methods for right-justifying, left-justifying, and centering a string?

Ans: The methods are:rjust(),ljust(),center().

Eg. s="I Love Data Science"

print("original string is:\n",s,"\n")

print("The center aligned string is:\n")

print(s.center(40),"\n")

print("The center aligned string with fillch is :")

print(s.center(40,"#"))

print("\n")

print("The left aligned string is:")

print(s.ljust(40,'-'))

print("\n")

print("The right aligned string is:")

print(s.rjust(40,'\*'))

o/p: original string is:

I Love Data Science

The center aligned string is:

I Love Data Science

The center aligned string with fillch is :

##########I Love Data Science###########

The left aligned string is:

I Love Data Science---------------------

The right aligned string is:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*I Love Data Science

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​10. What is the best way to remove whitespace characters from the start or end?

Ans: The python string strip() method is built-in function in python ,it remove character from start and end of given string.

Eg. n=" DR.APj Abdul Kalam: "

print(n.strip())

o/p: DR.APj Abdul Kalam: