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

Ans: to insert sometning that is illegal in a string we use escape characters.

For example:

wrong way: “I love my “INDIA”.”

correct way: “I love my \”INDIA\”.”

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

Ans: “\n” inserts a new line and “\t” inserts a new tab.

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

Ans: “\b”

4. 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:

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

Ans: print()

6. What are the values of the given expressions?

'Hello, world!'[1] = ‘e’

'Hello, world!'[0:5] = ‘Hello’

'Hello, world!'[:5] = ‘Hello’

'Hello, world!'[3:] = ‘o, world!'

7. What are the values of the following expressions?

'Hello'.upper() = ‘HELLO’

'Hello'.upper().isupper() = False

'Hello'.upper().lower() = ‘hello’

8. What are the values of the following expressions?

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

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

'-'.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:

we use left-justifying by using ljust() which takes two attributes string and width  
Code -   
string = 'cat'  
width = 10  
  
print(string)  
print(string.ljust(width,'@'))

Output -  
cat

cat@@@@@@@

we use right-justifying by using rjust() which takes two attributes string and width  
Code -   
string = 'cat'  
width = 10  
  
print(string)  
print(string.rjust(width,'@'))

Output -  
cat

@@@@@@@cat

the center() method takes two attributes width and fill character which can be used to center any text.  
For example:   
Code -   
s='Remember, remember, the fifth of July.'  
print(s)  
print(s.center(50,'@'))

Output -  
Remember, remember, the fifth of July.

@@@@@@Remember, remember, the fifth of July.@@@@@@

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

Ans:   
Code-  
string = ' cat'  
print(string.strip())

Output -  
cat