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

**To insert characters that are illegal in a string, use an escape character. An escape character is a backslash \ followed by the character you want to insert.**

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

**escape characters n stands for newline (\n)**

**escape characters t stands for tab (\t).**

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

**Use the syntax r"\" to treat backslash (\) as a literal character, and not as an escape character.**

**Eg: raw\_text = r"abc\123"**

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?

**The single quote in Howl's is fine because, double quotes available to mark the beginning and end of the string.**

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

**\n to be used, then Python translates that to the proper newline character.**

**automatically**

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:]**=’ lo, world!'**

**Will get an error for all the code above as “'str' object does not support item assignment”**

7. What are the values of the following expressions?

'Hello'.upper() **= 'HELLO'**

**Ans: get an error as “cannot assign to function call”**

'Hello'.upper().isupper() **= True**

**Ans: get an error as “cannot assign to function call”**

'Hello'.upper().lower()

**Ans: '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?

right-justifying: **str.*rjust( len, fillchr )***

left-justifying: **str.*ljust( len, fillchr )***

centering: **str.*center( len, fillchr )***

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

**strip() function removes white spaces from start and end of the string and returns the same string without white spaces.**