Assignment-6

1. What are escape characters, and how do you use them?
   To insert character which are difficult to insert in a string like quotes inside a quote or to inset white spaces like tab, space we use escape characters

   Escape characters doesn't print itself rather it performs string operations as below

   To insert tab in a string "\t"
   To insert new line "\n"
   Carriage return "\r"

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

   To insert tab in a string "\t"

   To insert new line "\n"

3. What is the way to include backslash characters in a string?
   Backslash followed by character we want to insert within a quote

4. The string "Howl's moving castle"is a correct value. Why isn't the single quote character in the word How's not escaped a problem?
   Because it is enclosed in double quotes which avoids escape, if everything is enclosed in a single quote then there will be ambiguity

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

   Multiple print functions

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!

7. What are the values of the following expressions?

   'Hello'.upper()→ HELLO

   'Hello'.upper().isupper()→True
   'Hello'.upper().lower()→hello

8. What are the values of the following expressions?
   'Remember, remember, the fifth of July.'.split()
   ['Remember,','remember,','the','fifth','of','July.']

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

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

   A='sagar'
   A.rjust(5,'*')→*****sagar

   Left justifying:-

   A='sagar'
   A.ljust(5,'*')→sagar*****

   Centre justifying:

   A='sagar'
   A.cjust(12,'*')→****sagar***

   We can justify using characters or even with spaces

10. What is the best way to remove whitespace characters from the start or end?
    Using strip function we can remove white spaces

    A='   SAGAR   '
    A.strip()-→ 'SAGAR'