**1. What are escape characters?**

Ans. In python there are some strings or character which are illegal. We are not able to use them So in order to use those strings or character we need the escape character. This character is basically backslash '\' followed by the character which you want to have in your syntax.

Eg: print(' I don\'t want to use any other /tlanguage')

o/p: 'I don't want to use any other language')

Other: \' -->Single Quote  
\ -->Backslash \n -->New Line  
\r -->Carriage Return  
\t --> Tab  
\b -->Backspace

**2. What do the \n and \t escape characters represent?**

Ans.\n: Next line \t: tab

**3. How can you put a \ backslash character in a string?**

Ans using \ eg: print('I don\t want to use any other language')

**4. The string value "Howl's Moving Castle" is a valid string. Why isn’t it a problem that the single quote character in** **the word Howl's isn’t escaped?**

Ans Because in python we can use single quotes inside the double quote and vice versa i.e. we can also put double quotes insid ethe single quote

**5. If you don’t want to put \n in your string, how can you write a string with newlines in it?**

Ans. By just writing **print()**

**6. What do the following expressions evaluate to?**

'Hello, world!'[1] 'Hello, world!'[0:5] 'Hello, world!'[:5] 'Hello, world!'[3:]

Ans. 'Hello, world!'[1] --> 'e' 'Hello, world!'[0:5] --> 'Hello' 'Hello, world!'[:5] --> 'Hello' 'Hello, world!'[3:] --> 'lo, world!

**7. What do the following expressions evaluate to?**

'Hello'.upper() 'Hello'.upper().isupper() 'Hello'.upper().lower()

Ans. 'Hello'.upper() --> 'HELLO' 'Hello'.upper().isupper() --> False 'Hello'.upper().lower() -->'Hello--> hello

**8. What do the following expressions evaluate to?**

'Remember, remember, the fifth of November.'.split() '-'.join('There can be only one.'.split())

Ans. 'Remember, remember, the fifth of November.'.split() --> ['Remember', 'remember', 'the', 'fifth, 'of', 'November.'] '-'.join('There can be only one.'.split()) --> 'There-can-be-only-one.'

**9. What string methods can you use to right-justify, left-justify, and center a string?**

Ans.  
'string'.center(width): center 'string'.rjust(width): right justify 'string'.ljust(width): left justify

**10. How can you trim whitespace characters from the beginning or end of a string?**

Ans. using strip() method. It removes the white spaces at left and at the right side of the string example: string.strip()