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

Escape characters is used in string, where we want to escape the character in string which is inbuilt key. It is represent by Backslash (‘\’).

Let’s see use case of backslash

1. escape the character

If I want to escape the ‘ in the string.

p='It is ram\'s car'

It is ram's car

1. escape the space i.e. backspace

p='It is ram \ba car'

It is rama car

1. print the character into newline

p='It is ram \n car'

It is ram

Car

1. Add the tab between the character

p='It is ram \t car'

It is ram car

1. carriage return means It reset the character into newline ( In type writer has carriage)

p='It is ram \r car'

It is ram

car

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

\n It use to print the after all words

print the character into newline

p='It is ram \n car'

It is ram

Car

\r it is to change the carriage. Let’s when I tying on type witter and I want to change the line that is called carriage change.

carriage return means It reset the character into newline ( In type writer has carriage)

p='It is ram \r car'

It is ram

car

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

If we want to include the backslash we have provide double back slash or add some row string symbol in starting of string means r symbol.

“\\” out put \

r”\” output \

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?

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

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

8. What are the values of the following expressions?

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

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

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

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