

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

the backslash `"\"` is a special character, also called the "escape" character. It is used in representing certain whitespace characters: `"\t"` is a tab, `"\n"` is a newline, and `"\r"` is a carriage return.

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

`"\t"` is a tab, `"\n"` is a newline,

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

We use `"\\\"` to include backslash.

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?

Because you used double quotes for making string, hence single quote was skipped.

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

We can use `end = "\n"` in print function. For example.

```
print("gauda balakrishna", end = "\n")
```

```
print("new line")
```

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?

left-justifying

```
str="Bala"
```

```
str.ljust(10,"-")
```

Output - 'Bala-----'

right-justifying

```
str="Bala"
```

```
str.rjust(10,"-")
```

'-----Bala'

centering a string

```
str="Bala"
```

```
str.center(10,"-")
```

'---Bala---

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

Using strip function for string.