

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

Ans: Escape characters can be used to insert characters that are illegal in a string. An escape character is a backslash \ followed by the character you want to insert.

```
string = "my name is "suman" das"
```

```
File "<ipython-input-21-f1057d088ed1>", line 1  
    string = "my name is "suman" das"
```

```
SyntaxError: invalid syntax
```

```
string = "my name is \"suman\" das"
```

```
string
```

```
'my name is "suman" das'
```

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

Ans: \n stands for new line. \t stands for tab.

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

Ans: Backslash characters can be included in the string by \\ followed by the characters that one want to insert.

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?

Ans: The single quote in Howl's is fine because here double quotes are used 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?

Ans : We can use multiline comment.

```
string = "my name is suman das.\nI am a student of ineuron. \nI am enjoying class."
```

```
print(string)
```

```
my name is suman das.  
I am a student of ineuron.  
I am enjoying class.
```

```
string = """my name is suman das.  
I am a student of ineuron.  
I am enjoying class."""
```

```
print(string)
```

```
my name is suman das.  
I am a student of ineuron.  
I am enjoying class.
```

6. What are the values of the given expressions?

'Hello, world!'[1]

```
'Hello, world!'[1]
```

'e'

'Hello, world!'[0:5]

```
'Hello, world!'[0:5]
```

'Hello'

'Hello, world!':[5]

```
'Hello, world!':[5]
```

'Hello'

'Hello, world!'[3:]

```
'Hello, world!'[3:]
```

'lo, world!'

7. What are the values of the following expressions?

'Hello'.upper()

```
'Hello'.upper()
```

'HELLO'

'Hello'.upper().isupper()

```
'Hello'.upper().isupper()
```

True

'Hello'.upper().lower()

```
'Hello'.upper().lower()
```

'hello'

8. What are the values of the following expressions?

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

This will create a list of words available in string

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

```
['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']
```

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

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

'There-can-only-one.'

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

```
string="my name is suman das"
```

```
string.center(34)
```

```
'      my name is suman das      '
```

```
string.ljust(34)
```

```
'my name is suman das              '
```

```
string.rjust(34)|
```

```
'              my name is suman das'
```

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

```
string = "      suman      "
```

```
string.lstrip()
```

```
'suman      '
```

```
string.rstrip()|
```

```
'      suman'
```