

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

An escape sequence contains a **backslash (\)** symbol followed by one of the **escape sequence characters**

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

n → new line

t → tab

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

```
In [1]: a= "My name is \\ Jatin"
```

```
In [2]: print(a)
```

My name is \ Jatin

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 string was present in the. Double quotes if there

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

```
In [5]: import os
```

```
In [7]: a = "My Name is"+ os.linesep+"Khan"
```

```
In [10]: print(a)
```

My Name is  
Khan

6. What are the values of the given expressions?

'Hello, world![1]

'Hello, world![0:5]

'Hello, world![:5]

'Hello, world![3:]

In [11]: 'Hello, world!'[1]

Out[11]: 'e'

In [12]: 'Hello, world![0:5]

Out[12]: 'Hello'

In [13]: 'Hello, world!':5

Out[13]: 'Hello'

In [14]: 'Hello, world![3:]

Out[14]: 'lo, world!'

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

In [15]: 'Hello'.upper()

Out[15]: 'HELLO'

In [16]: 'Hello'.upper().isupper()

Out[16]: True

In [17]: 'Hello'.upper().lower()

Out[17]: 'hello'

8. What are the values of the following expressions?

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

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

In [18]: 'Remember, remember, the fifth of July.'.split()

Out[18]: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July. ']

In [19]: '-'.join('There can only one.'.split())

Out[19]: 'There-can-only-one.'

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

```
In [28]: a.ljust(100, '*')
Out[28]: 'Jatin*****'
In [29]: a.rjust(100, '*')
Out[29]: '*****Jatin'
In [31]: a.center(100, '*')
Out[31]: '*****Jatin*****'
```

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

```
In [49]: string.rstrip()
```

```
Out[49]: ' This is test'
```

```
In [50]: string.lstrip()
```

```
Out[50]: 'This is test '
```

```
In [51]: string.strip()
```

```
Out[51]: 'This is test'
```