

PYTHON ASSIGNMENT 6

Q1. What are escape characters, and how do you use them?

Ans. To insert characters that are illegal in a string, use an escape character. An escape character is a backslash \ followed by the character you want to insert.

Q2. What do the escape characters n and t stand for?

Ans. \n stands for new line and \t stands for tab space (1 tab = 5 spaces)

Q3. What is the way to include backslash characters in a string?

Ans. To include a backslash character in a string we can use \\

Q4. 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 character in the word Howl's not escaped a problem because the entire string is written in double quotes.

Q5. How do you write a string of newlines if you don't want to use the n character?

```
In [20]: print('Hello')  
         print('World')
```

```
Hello  
World
```

Q6. What are the values of the given expressions?

```
In [21]: 'Hello, world!'[1]
```

```
Out[21]: 'e'
```

```
In [22]: 'Hello, world!'[0:5]
```

```
Out[22]: 'Hello'
```

```
In [23]: 'Hello, world!':[5]
```

```
Out[23]: 'Hello'
```

```
In [24]: 'Hello, world!'[3:]
```

```
Out[24]: 'lo, world!'
```

Q7. What are the values of the following expressions?

```
In [25]: 'Hello'.upper()
```

```
Out[25]: 'HELLO'
```

```
In [26]: 'Hello'.upper().isupper()
```

```
Out[26]: True
```

```
In [27]: 'Hello'.upper().lower()
```

```
Out[27]: 'hello'
```

Q8. What are the values of the following expressions?

```
In [28]: 'Remember, remember, the fifth of July.'.split()
```

```
Out[28]: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']
```

```
In [30]: '-'.join('There can only one.'.split())
```

```
Out[30]: 'There-can-only-one.'
```

Q9. What are the methods for right-justifying, left-justifying, and centering a string?

Ans. The methods for right-justifying, left-justifying, and centering a string are `rjust()`, `ljust()`, `center()`.

```
In [31]: a = ('My name is Tarushi Srivastava')
```

```
In [37]: a.rjust(50)
```

```
Out[37]: '                My name is Tarushi Srivastava'
```

```
In [38]: a.ljust(50)
```

```
Out[38]: 'My name is Tarushi Srivastava                '
```

```
In [35]: a.center(50)
```

```
Out[35]: '                My name is Tarushi Srivastava                '
```

Q10. What is the best way to remove whitespace characters from the start or end?

Ans. `strip()` method removes the whitespace character from the start or end

```
In [40]: t = ('    Hi! How are you    ')\n         t.strip()
```

```
Out[40]: 'Hi! How are you'
```

