

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

**Ans.** Escape characters are non-printable characters when backslash ‘\’ precedes them. For eg. ‘\n’ -for new line , ‘\t’ for a tab or 3 spaces.

```
print("Prince \n Francis")
```

```
Prince
Francis
```

```
print("Prince\tFrancis")
```

```
Prince  Francis
```

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

**Ans.** n stands for new line and t stands for Tab

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

```
s = 'Prin\\cdf'
```

```
s
```

```
'Prin\\cdf'
```

**Ans.**

### 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 reason is because it is included in double quotes inside the variable.

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

```
print("Prince") # we can use 2 print statements
print("Francis")
```

**Ans.**

### 6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!':5]

'Hello, world!'[3:]

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

```
'e'
```

---

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

```
'Hello'
```

---

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

```
'Hello'
```

---

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

```
'lo, world!'
```

**Ans.**

**7. What are the values of the following expressions?**

**'Hello'.upper()**

**'Hello'.upper().isupper()**

**'Hello'.upper().lower()**

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

```
'HELLO'
```

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

```
True
```

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

```
'hello'
```

**Ans.**

**8. What are the values of the following expressions?**

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

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

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

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

**Ans.**

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

```
s = "Prince"
s.center(15, "@")
'@@@@@Prince@@@@'
```

```
s.rjust(10, "$")
'$$$Prince'
```

```
s.ljust(10, "$")
'Prince$$$$'
```

**Ans.**

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

**Ans.**

```
s = " Prince " #use the strip function to eliminate white spaces from start and end
s.strip()
'Prince'
```