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

Sol :- We use escape characters to insert characters that are illegal in a string. An escape character is a backslash \ followed by the character you want to insert.

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

Sol :- \n is for new line and \t is for tab

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

Sol :- "This is a text \"to represent\" the backslash\n"

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?

Sol :- Because the quotes for the entire text are " Double quotes " and quote in between Howl's is a single quote. So python will accept this kind of representation.

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

Sol :- We can use OS module

```python
import os
print('Python is a great' + os.linesep + 'programming language')
```

(or) by adding and end = ' \n ' at the end of the string (or) by printing each statement separately in new print statement.

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Sol :- e

Hello

Hello

lo, world!

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Sol :- HELLO

True

hello

8. What are the values of the following expressions?

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

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

Sol :-

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

There-can-only-one.

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

Sol :-

string.ljust(width, fillchar)

String.rjust(width, fillchar)

String.center(width, fillchar)

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

Sol :- By using python .strip() method.