**Python Tasks – Day7**

1. **What does the code for an empty dictionary look like?**

**Dict1 = { }**

1. **What does a dictionary value with a key 'foo' and a value 42 look like?**

**Dict2 = {'foo':42}**

1. **What is the main difference between a dictionary and a list?**
2. **What happens if you try to access spam['foo'] if spam is {'bar': 100}?**

**Ans4: Key error**

1. **If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()?**
2. **6. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()?**
3. **What is a shortcut for the following code?**

**if 'color' not in spam:**

**spam['color'] = 'black'**

1. **What module and function can be used to “pretty print” dictionary values?**

* **pprint module’s pprint function**

1. **What are escape characters?**
2. **What do the \n and \t escape characters represent?**
3. **How can you put a \ backslash character in a string?**
4. **The string value "Howl's Moving Castle" is a valid string. Why isn’t it a problem that the single quote character in the word Howl's isn’t escaped?**
5. **If you don’t want to put \n in your string, how can you write a string with newlines in it?**
6. **What do the following expressions evaluate to?**
7. **'Hello world!'[1]**

**'e'**

1. **'Hello world!'[0:5]**

**'Hello '**

1. **'Hello world!'[:5]**

**'Hello'**

1. **'Hello world!'[3:]**

**'lo world!'**

1. **What do the following expressions evaluate to?**
2. **'Hello'.upper()**

**'HELLO'**

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

**True**

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

**‘hello**

**16. What do the following expressions evaluate to?**

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

**[ 'Remember,', 'remember,', 'the', 'fifth', 'of', 'November.' ]**

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

**'There-can-be-only-one.'**

1. **What string methods can you use to right-justify, left-justify, and center a string?**

**rjust(width, fillchar=' '), ljust(width, fillchar=' '), center(width, fillchar=' ')**

1. **How can you trim whitespace characters from the beginning or end of a string?**

**Ans18: We can use strip() method to trim whitespace characters from the beginning or end of a string.**