Q1. What is the benefit of regular expressions?

Ans = A Regular Expression is used for identifying a search pattern in a text string. It also helps in finding out the correctness of the data and even operations such as finding, replacing and formatting the data is possible using Regular Expressions.

Q2. Describe the difference between the effects of "(ab)c+" and "a(bc)+." Which of these, if any, is the unqualified pattern "abc+"?

Q3. How much do you need to use the following sentence while using regular expressions?

After reading this article you will have a solid understanding of what regular expressions are, what they can do, and what they can't do

Q4. Which characters have special significance in square brackets when expressing a range, and under what circumstances?

Ans = In square brackets we can use the vast majority of special characters without escaping: Symbols . + ( ) never need escaping. A hyphen - is not ...

‎Sets · ‎Ranges · ‎Excluding ranges

Q5. How does compiling a regular-expression object benefit you?

Ans = We can combine a regular expression pattern into pattern objects, which can be used for pattern matching. It also helps to search a pattern again without rewriting it.

Q6. What are some examples of how to use the match object returned by re.match and re.search?

And = There is a difference between the use of both functions. Both return the first match of a substring found in the string, but re. match() searches only from the beginning of the string and return match object if found.

Q7. What is the difference between using a vertical bar (|) as an alteration and using square brackets as a character set?

Q8. In regular-expression search patterns, why is it necessary to use the raw-string indicator (r)? In   replacement strings?

Ans = Raw strings help you get the "source code" of a RegEx safely to the RegEx parser, which will then assign meaning to character sequences like \d , \w , \n , etc...