Assignment 2

Ques) What is a string in java?

Ans) A 'string' is a sequence that represents sequence of characters. Strings are widely used in java and conscidered object of string class which is a part of 'java.by'. In java strings are immutable means once they are created there value can not be changed.

Ques) Types of string in java?

Ans) There are two types of string in java →

1) Literal string → literal strings are stored in string constant Pool.

2) String objects → These are the string created using the 'new' keyword. string objects are stored in heap Memory outside the string constant Pool.

Ques 3) In how many ways can you create string objects in java?

Ans)
```
String s1 = "Pratyush";
String s2 = new string("qasmin");
```

Ques) What is String Constant Pool?

Ans) String Constant Pools are special memory regions in java heap where String literals are stored.

Ques) What do you mean by 'Mutable' and 'Immutable' String?

Ans) Mutable Objects : These are the objects whose state (data) can be changed once they are created.

           En → String Builder
                 String Buffer

Immutable Objects → These are the objects whose state can not be changed once they are created.
'String' class in java is immutable.

Ques) Where exactly is the String Constant Pool located in the memory?

Ans) In the 'heap memory'.