NSBT

CORE JAVA - Day 9 Assignment

1. Create a Functional Interface with the name 'ConcatString' as given below:

```
interface ConcatString{
    String concat(String s1, String s2);
}
```

   Implement this Interface as Lambda and use it to concatenate two strings.

2. Use Predicate Interface to perform the following:
   a Check whether a number is divisible by 5.
   b Check whether a number is divisible by 2.
   c Check whether a number is divisible by both 2 and 5.
   d Check whether a number is divisible by 2 or 5.

3. Create an array of Customer objects for the class created in Day 3 assignment and print all those customers whose monthly income is greater than 5lac per annum. Create your own Functional Interface and implement it.

4. Use the same interface to print all those customers whose age is in range of 18 to 25.

5. Create an array of LoanAgreement class objects and print all those Loan accounts whose status is 'Active' and whose EMI is pending. Use the 'Predicate' Functional Interface to achieve the same.

6. Java contains an interface 'Comparator' to compare two objects. Create a sort method to sort the LoanAgreement array based on Loan amount descending using the Comparator interface. The implementation of the Comparator interface must be provided as Lambda expression.