Static methods

1. Write a program to set your name and age by a static method and get them in an another static method

```
class PersonalInfoStatic {
   public static void printNameAge(String name, int age) {
        System.out.println("Name: " + name);
        System.out.println("Age: " + age);
   }

   public static void main(String[] args) {
        printNameAge("Reema", 25);
   }

   C:\Users\lenovo>javac PersonalInfoStatic
   Name: Reema
   Age: 25

   C:\Users\lenovo>
```

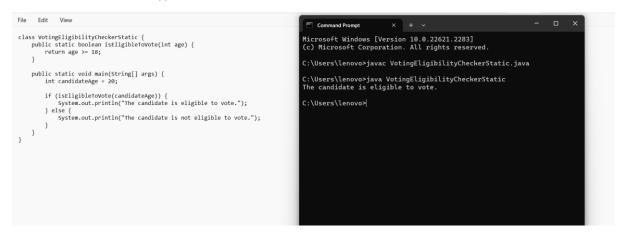
2. Write a program to find the factorial of a number (static method)

Output – "Factorial of <given number> is <result>.

3. Write a program to check whether the given number is Palindrome/Not by using static methods. Method 1- to find the reverse (pass the number in argument) Method 2-to check palindrome/not

```
Command Prompt
class PalindromeCheckerStatic {
    public static void main(String[] args) {
  int number = 12321;
                                                                                            Microsoft Windows [Version 10.0.22621.2283]
(c) Microsoft Corporation. All rights reserved.
          boolean isPalindrome = isNumberPalindrome(number);
                                                                                            C:\Users\lenovo>javac PalindromeCheckerStatic.java
         if (isPalindrome) {
         System.out.println(number + " is a palindrome.");
} else {
                                                                                             C:\Users\lenovo>java PalindromeCheckerStatic
                                                                                            12321 is a palindrome.
              System.out.println(number + " is not a palindrome.");
                                                                                            C:\Users\lenovo>
     public static int reverseNumber(int num) {
          int reversedNum = 0;
          while (num > 0) {
  int remainder = num % 10;
  reversedNum = reversedNum * 10 + remainder;
              num /= 10;
    public static boolean isNumberPalindrome(int num) {
   int reversedNum = reverseNumber(num);
   return num == reversedNum;
}
```

4. Write a program to check whether the candidate is eligible for Voting (Use static method and boolean return type)



5. Write a program to deposit and withdraw amount from bank account (Withdrawal amount do not exceeds the current balance). Add an extra method to check the account balance. (static methods)

```
class AccountStatic{
    static double currentBalance= 2000;

    public static void deposit(double amount) {
        System.out.println("deposit amount:"+amount);
        currentBalance = currentBalance + amount;
        }
        public static void withdraw(double amount) {
            System.out.println("withdraw amount:"+amount);
        if (amount > currentBalance) {
            System.out.println("Insufficient balance");
        } else {
            currentBalance = currentBalance - amount;
        }
        }
        public static double getBalance() {
            return currentBalance;
        }
        public static void main(string[] args) {
            System.out.println("current balance is " + AccountStatic.getBalance());
            AccountStatic.withdraw(1800);
            System.out.println("current balance is " + AccountStatic.getBalance());
            AccountStatic.getBalance());
            AccountStatic.getBalance();
            AccountStatic.getBalance();
            AccountStatic.getBalance();
```

6. Write a program to check whether the customer have discount (get 20% discount if total amount is greater than 5000) or not and get the final amount in main method. (static methods) Get prices of items using parameterized method Method 1 - Calculate total amount Method 2 - Check discount