Java Assignment 03

a. Write a function called "sortThreeNumbers", which takes 3 distinct integers and prints them in ascending order.

```
public void sortThreeNumbers(int a, int b, int c) {
        // do stuff here
}
```

For example,

```
sortThreeNumbers(2, 10, 1);  // prints 1, 2, 10
sortThreeNumbers(20, 10, 1);        // prints 1, 10, 20
sortThreeNumbers(2, 10, 100);       // prints 2, 10, 100
```
and so on.

b. Write a function called "sumOfPrimes", that takes two integers as input and returns the sum of all the prime numbers between the same.

```
public int sumOfPrimes(int from, int to) {
        // do stuff here
        return 0;
}
```

c. Write a function called "reverseByWords", that takes a sentence (string) as an input, and returns another string. The return value must be a sentence in which the words in the original sentence appear in reverse order.

```
public String reverseByWords(String sentence) {
        // do stuff here
        return null;
}
```

For example,

```
String out = reverseByWords("my name is vinod and i live in bangalore");
// the variable "out" should be equal to "bangalore in live i and vinod is name
my".
```

d. Write a function called "sumOfEvensAndOdds", that takes an array of integers as input and returns another array of integers of length 2. The first element in the returned array is the sum of all even numbers in the input array, and the second element in the returned array is the sum of all odd numbers in the input array.

```
public int[] sumOfEvensAndOdds(int []nums) {
        // do stuff here
        return null;
```

```
}

For example,
int [] nums = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
int [] result = sumOfEvensAndOdds(nums);

// result should be equal to {30, 25}
```

e. Write a function called "firstPrimePalyndrome", that takes two numbers as inputs and return the first prime number between the two inputs, which is also a palyndrome. Return 0 if there is no such number.

```
public int firstPrimePalyndrome(int from, int to) {
        // do stuff here
        return 0;
}
```

f. Write a function called “inWords” that takes a number between 0 and 99,99,99,999 and returns a String representing the input number in words.

```
public String inWords(int num) {
   // do stuff here
   return null;
}

For example,
inWords(12345);
should return "twelve thousand three hundred forty five"

inWords(10203040);
should return "one crore two lakh three thousand forty"
```