```
Reverse a String
   public static void main(String[] args) {
   String originalWord = "Hello Dinesh";
   String reversedWord = " ";
   for (int i = originalWord.length() - 1; i >= 0; i--) {
   reversedWord = reversedWord + originalWord.charAt(i);
   }
   System.out.println(reversedWord);
   Reverse a number
          public static void main(String[] args) {
          int number = 412365, reverse = 0;
          for(;number != 0;) {
          int remainder = number % 10;
          reverse = reverse*10 + remainder;
          number = number / 10;
          System.out.println(reverse);
Java program to check string palindrome
public static void main(String[] args) {
Scanner scanner = new Scanner(System.in);
System.out.print("Enter a string: ");
String input = scanner.nextLine().toLowerCase(); // Convert input to lowercase
scanner.close();
boolean isPalindrome = true;
for (int i = 0; i < input.length() / 2; i++) {</pre>
if (input.charAt(i) != input.charAt(input.length() - 1 - i)) {
isPalindrome = false;
break;
}
}
System.out.println(isPalindrome ? "Palindrome" : "Not Palindrome");
Java program to check number palindrome
  public static void main(String[] args) {
    int num = 3553, reversedNum = 0, remainder;
    int originalNum = num;
while (num != 0) {
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remainder = num % 10;
      reversedNum = reversedNum * 10 + remainder;
      num /= 10;
    }
if (originalNum == reversedNum) {
      System.out.println(originalNum + " is Palindrome.");
    }
    else {
      System.out.println(originalNum + " is not Palindrome.");
    }
Reversing the order of words
 public static void main(String args[]) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String input = scanner.nextLine();
        scanner.close();
        String s[] = input.split(" ");
        String ans = "";
        for (int i = s.length - 1; i >= 0; i--) {
            ans += s[i] + " ";
        }
        System.out.println("Reversed String: " + ans);
    }
Removing duplicate words in a Sentense
public static void main(String[] args) {
Scanner scanner = new Scanner(System.in);
System.out.print("Enter a string: ");
String input = scanner.nextLine();
scanner.close();
StringBuilder result = new StringBuilder();
for (int i = 0; i < input.length(); i++) {</pre>
char c = input.charAt(i);
if (result.indexOf(String.valueOf(c)) == -1) {
     result.append(c);
  } }
System.out.println("String with duplicates removed: " + result.toString()); }
```

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Replacing a word in a given sentence:
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
System.out.println("Enter a original sentence: ");
String input = sc.nextLine();
System.out.println("Enter the word to replace in "+input);
String wordToReplace = sc.nextLine();
System.out.print("Enter the replacement word: ");
String replacement = sc.nextLine();
String modifiedString = input.replace(wordToReplace, replacement);
System.out.println("Modified String: " + modifiedString);
sc.close();
}
Prime number or not
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
System.out.println("Enter the number to check prime or not");
int number = sc.nextInt();
int i;
if(number == 1) {
System.out.println("Aplogies, the prime number starts from 2");
}
for(i=2; i<number; i++) {</pre>
   if(number % i == 0) {
   System.out.println(number + " :Is not a prime number");
   break;
   }
}
if(number == i) {
System.out.println(number + " :is a prime number");
          }
   }
}
```

```
Fibanocci series
   public static void main(String[] args) {
   Scanner scanner = new Scanner(System.in);
   System.out.print("Enter the number of terms in the Fibonacci series: ");
   int n = scanner.nextInt();
   scanner.close();
   int first = 0;
   int second = 1;
   int next;
   System.out.println("Fibonacci Series:");
       for (int i = 0; i < n; i++) {
           System.out.print(first + " ");
           next = first + second;
           first = second;
           second = next;
       }
   }
}
Write a Java Program to generate Output "aabbbcccc" with the input "a2b3c4
public static void main(String[] args) {
       String input = "a2b3c4";
       String output = "";
       for (int i = 0; i < input.length(); i += 2) {</pre>
            char ch = input.charAt(i);
           int count = Character.getNumericValue(input.charAt(i + 1));
           for (int j = 0; j < count; j++) {
               output += ch;
           }
        }
       System.out.println(output);
  }
Swapping a string
   public static void main(String[] args) {
   String firstName = "Sai";
   String secondName = "Kavya";
   System.out.println("Before swapping: " + firstName + secondName );
   firstName = firstName + secondName;
```

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secondName = firstName.substring(0, firstName.length() -
secondName.length());
firstName = firstName.substring(secondName.length());
System.out.println("After Swappping : "+ firstName + secondName );
```