**Ignore Duplicate Word:**

**package** com.ObjectRep;

**import** java.util.HashMap;

**import** java.util.regex.Matcher;

**import** java.util.regex.Pattern;

**public** **class** ignoreduplicateword {

**public** **static** **void** main(String[] args) {

String s = "Greens in ADYAR offers best software Greens Technology Greens IT ";

String patternString1 = "(Greens)";

String[] s1 = s.split(" ");

HashMap<String, Integer> emp = **new** HashMap<String, Integer>();

Pattern pattern = Pattern.*compile*(patternString1);

Matcher matcher = pattern.matcher(s);

**while** (matcher.find()) {

System.***out***.println("found: " + matcher.group(1));

}

**for** (String c : s1) {

**if** (emp.containsKey(c)) {

**int** x = emp.get(c);

emp.put(c, x + 1);

} **else** {

emp.put(c, 1);

}

}

System.***out***.println(emp);

}

}

**Actual value , Traingle ‘\*’, Even n Odd Number**

**package** com.ObjectRep;

**import** java.util.Scanner;

**public** **class** arraySplit {

**public** **static** **void** main(String[] args) {

System.out.println("Print actual value \*\*\*\*\*\*\*\*\*");

String str = "a, b, c, d";

String[] arrsplit = str.split(", ");

**for** (**int** i = 0; i < arrsplit.length; i++) {

System.out.println(arrsplit[i]);

}

System.out.println("Triangle of '\*\*\*\*\*\*\*\*\*\*\*\*\*\*'");

**for** (**int** z = 1; z <= 5; z++) {

**for** (**int** j = 1; j <= 5 - z; j++) {

System.out.print(" ");

}

**for** (**int** k = 1; k <= z; k++) {

System.out.print("\* ");

}

System.out.println(" ");

}

System.out.println("Print Odd n Even number \*\*\*\*\*\*\*\*\*\*\*\*");

Scanner e = **new** Scanner(System.in);

System.out.println("Enter a Number");

**int** n = e.nextInt();

**if** (n % 2 == 0) {

System.out.println("Even number");

} **else** {

System.out.println("Odd number");

}

}

}

**Output:**

Print actual value \*\*\*\*\*\*\*\*\*

a

b

c

d

Triangle of '\*\*\*\*\*\*\*\*\*\*\*\*\*\*'

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

Print Odd n Even number \*\*\*\*\*\*\*\*\*\*\*\*

Enter a Number

3

Odd number

**Remove Duplicate Value of Array:**

**package** com.ObjectRep;

**public** **class** removeDuparrary {

**public** **static** **int**[] removeDuplicates(**int**[] input) {

**int** j = 0;

**int** i = 1;

// return if the array length is less than 2

**if** (input.length < 2) {

**return** input;

}

**while** (i < input.length) {

**if** (input[i] == input[j]) {

i++;

} **else** {

input[++j] = input[i++];

}

}

**int**[] output = **new** **int**[j + 1];

**for** (**int** k = 0; k < output.length; k++) {

output[k] = input[k];

}

**return** output;

}

**public** **static** **void** main(String a[]) {

**int**[] input1 = { 2, 3, 6, 6, 8, 9, 10, 10, 10, 12, 12 };

**int**[] output = *removeDuplicates*(input1);

**for** (**int** i : output) {

System.***out***.print(i + " ");

}

}

}

**Output:**

2 3 6 8 9 10 12

**Print 1 to 3 Words in using String:**

**package** com.ObjectRep;

**public** **class** Stringname {

**public** **static** **void** main(java.lang.String[] args) {

String myString = "Copying first N numbers of words to a string";

String[] arr = myString.split("\\s+");

// Splits words & assign to the arr[] ex : arr[0] -> Copying ,arr[1] ->

// first

**int** N = 3; // NUMBER OF WORDS THAT YOU NEED

String nWords = "";

// concatenating number of words that you required

**for** (**int** i = 0; i < N; i++) {

nWords = nWords + " " + arr[i];

}

System.***out***.println(nWords);

}

}

**Output:**

Copying first N

**Palindrome number:**

**package** Basic.java;

**import** java.util.Scanner;

**public** **class** App {

**public** **static** **void** main(String[] args) {

**int** n, a, i = 0, j = 0;

Scanner an = **new** Scanner(System.***in***);

System.***out***.println("Enter a number");

n = an.nextInt();

a = n;

**while** (a > 0) {

i = a % 10;

j = (j \* 10) + i;

a = a / 10;

}

**if** (n == j) {

System.***out***.println("palindrome");

} **else** {

System.***out***.println("Not palindrome Number");

}

}

}

**Output:**

Enter a number

22

Palindrome.

Enter a number

23

Not palindrome Number.

**Array of Ascending or Descending Order:**

**package** Basic.java;

**import** java.util.Arrays;

**import** java.util.Scanner;

**public** **class** Array\_AscendingOrDescedingOrder {

**public** **static** **void** main(String[] args) {

**int** a[] = { 10, 11, 34, 7, 9, 12,1,78};

**int** temp;

**for** (**int** i = 0; i <a.length; i++) {

**for** (**int** j = i + 1; j < a.length; j++) {

Ascending **if** (a[i] > a[j]) { // **if** (a[i] < a[j]) Descending

temp = a[i];

a[i] = a[j];

a[j] = temp;

}

}}

**for** (**int** i = 0; i < a.length; i++) {

System.***out***.println(a[i]);

// System.out.println(a[a.length-1]);

}

}

}

**Output:**

1 7 9 10 11 12 34 78

**max no of\_array:**

**package** Basic.java;

**public** **class** maxnoof\_array {

**public** **static** **void** main(String[] args) {

**int** a[] = { 10, 11, 34, 7, 9, 12,1,78};

**int** temp;

**for** (**int** i = 0; i <a.length; i++) {

**for** (**int** j = i + 1; j < a.length; j++) {

**if** (a[i] > a[j]) {

temp = a[i];

a[i] = a[j];

a[j] = temp;

}

}}

// for (int i = 0; i < a.length; i++) {

// System.out.println(a[i]);

System.***out***.println(a[a.length-1]);

}

}

**Output:**

78

**FibonacciSeries:**

**package** Basic.java;

**public** **class** FibonacciSeries {

**public** **static** **void** main(String[] args) {

**int** a=0,b=1;

System.***out***.println(a);

System.***out***.println(b);

**for** (**int** i = 2; i <=10; i++) {

**int** c=a+b;

System.***out***.println(c);

a=b;

b=c;

}

}

}

**Output:**

0 1 1 2 3 5 8 13 21 34 55

**LetterCount:**

**package** Basic.java;

**public** **class** LetterCount {

**public** **static** **void** main(String[] args) {

String s = "Hi Welcome To Java Classes Tommorow At 2.00 p.m!!";

**int** count = 0, count1 = 0, count2 = 0, count3 = 0;

**for** (**int** i = 0; i < s.length(); i++) {

**if** (s.charAt(i) >= 'a' && s.charAt(i) <= 'z') {

count++;

} **else** **if** (s.charAt(i) >= 'A' && s.charAt(i) <= 'Z') {

count1++;

} **else** **if** (s.charAt(i) >= '0' && s.charAt(i) <= '9') {

count2++;

} **else** {

count3++;

}

}

System.***out***.println("total no of small letters:" + count);

System.***out***.println("total no of capital letters:" + count1);

System.***out***.println("total no of digits :" + count2);

System.***out***.println("total no of special characters:" + count3);

}

}

**Output:**

total no of small letters:27

total no of capital letters:7

total no of digits :3

total no of special characters:12

**Palindroma String:**

**package** Basic.java;

**public** **class** PalindromaOrNot {

**public** **static** **void** main(String[] args) {

String str = "MOM";

String revstring = "";

**for** (**int** i = str.length() - 1; i >= 0; i--) {

revstring += str.charAt(i);

}

System.***out***.println(revstring);

**if** (revstring.equalsIgnoreCase(str)) {

System.***out***.println("The string is Palindrome");

} **else** {

System.***out***.println("Not Palindrome");

}

String str1 = "MADAM ";

String rev = "";

**int** n = str1.length();

System.***out***.println(str1);

**for** (**int** i = n - 1; i >= 0; i--) {

rev = rev + str1.charAt(i);

}

**if** (str.equals(rev))

System.***out***.println("\nGiven string is a palindrome");

**else**

System.***out***.println("\nGiven string is not a palindrome");

}

}

**Output:**

MOM

The string is Palindrome

MADAM

Given string is not a palindrome

**Reverse number:**

**package** Basic.java;

**import** java.util.Scanner;

**public** **class** Reversenumber {

**public** **static** **void** main(String[] args) {

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the number");

**int** n = sc.nextInt();

**int** a, i = 0, j = 0;

a = n;

**while** (a > 0) {

i = a % 10;

j = (j \* 10) + i;

a = a / 10;

}

System.***out***.println(j);

}

}

**Output:**

Enter the number

34567

76543

**Reverse String:**

**package** Basic.java;

**public** **class** ReversetheString {

**public** **static** **void** main(String[] args) {

String res = " ";

String name = "good";

**for** (**int** i = name.length()-1; i >= 0; i--) {

**char** ch = name.charAt(i);

res = res + ch;

}

System.***out***.println(res);

}

}

**Output:**

doog

**Split Using Count of word:**

**package** Basic.java;

**public** **class** Split {

**public** **static** **void** main(String[] args) {

String s1 = "Hello welcome to java class";

String[] x = s1.split(" "); // here we split by space

**for** (**int** i = 0; i < x.length; i++) {

System.***out***.println(i);

}

**for** (String k : x) {

System.***out***.println(k);

}

}

}

**Output:**

0

1

2

3

4

Hello

welcome

to

java

class

**vowels and nonvowels count:**

**package** Basic.java;

**public** **class** vowelsNnonvowelscount {

**public** **static** **void** main(String[] args) {

String a = "welcome";

**int** vowels = 0;

**int** nonVowels = 0;

**for** (**int** i = 0; i < a.length(); i++) {

**char** ch = a.charAt(i);

**if** (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {

vowels++;

} **else** {

nonVowels++;

}

}

System.***out***.println("String of Vowels: "+vowels);

System.***out***.println("String of Non-Vowels: "+nonVowels);

}

}

**Output:**

String of Vowels: 3

String of Non-Vowels: 4