**Program 1:**

**Even odd number**

**package** CoveredJavaPrograms;

**public** **class** EvenOdd1 {

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

**int** a=37;

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

System.***out***.println("Number is Even");

}

**else** {

System.***out***.println("Number is odd");

}

}

}

**Program 2:**

**EvenOdd number taking value from user**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** EvenOddUser1 {

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

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

System.***out***.println("Enter the Number::");

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

//int a=60;

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

System.***out***.println("Number is Even");

}

**else** {

System.***out***.println("Number is odd");

}

}

}

**Program 3:**

**PrimeNumber**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** PrimeNumber1 {

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

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

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

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

**int** temp=0;

**for**(**int** i=2;i<=n-1;i++) { //2-3

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

temp= temp+1;

}

}

**if**(temp==0) {

System.***out***.println("Number is Prime");

}

**else** {

System.***out***.println("Number is not Prime");

}

}

}

**Program 4:**

**FibonnaciSeries**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** FibonnaciSeries2 {

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

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

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

**int** no = sc.nextInt();

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

**for**(**int** i=0;i<=no-1;i++) { //i=0,1,2,3,4,5

c=a+b;//8,

System.***out***.println(c);//1,2,3,5,8

a=b;//5

b=c;//8

}

}

}

**Program 5:**

**FibonnaciSeries taking input from user**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** FibonnaciSeriesUser2 {

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

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

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

**int** no = sc.nextInt();

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

**for**(**int** i=1;i<=no;i++) {

c=a+b;

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

a=b;

b=c;

}

}

}

**Program 6:**

**Factorial Number**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** FactorialNumber2 {

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

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

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

**int** no = sc.nextInt();//4

**int** fact=1;

**for**(**int** i=1;i<=no;i++) {//i=1,2,3,4,5

fact = fact\*i;//24

}

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

}

}

**Program 7:**

**ReverseNo**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** ReverseNo {

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

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

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

**int** no=sc.nextInt();//1221

**int** temp = no;//1221

**int** rev=0,rem;

**while**(temp!=0) {

rem=temp%10; //1

rev = rev\*10+rem;//1221

temp=temp/10;//.0

}

System.***out***.println("Reverse is: " +rev);

}

}

**Program 8:**

**PalindromeNumber2**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** PalindromeNumber2 {

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

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

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

**int** no=sc.nextInt();//1221

**int** temp = no;//1221

**int** rev=0,rem;

**while**(temp!=0) {

rem=temp%10; //1

rev = rev\*10+rem;//1221

temp=temp/10;//.0

}

**if**(no==rev) {

System.***out***.println(no+" is Palindrome number");

}

**else** {

System.***out***.println(no+" is not palindrome number");

}

}

}

**Program 9:**

**Reverse String**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** ReverseString {

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

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

System.***out***.println("Enter the String::");

String name=sc.next();//1221

//String name = "ABCDE"; //rev = EDCBA

**int** leng = name.length();//5

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

String rev="";//ED

**for**(**int** i=leng-1;i>=0;i--) {//i=4,3,2,1,0

rev=rev+name.charAt(i);//EDCBA

}

System.***out***.println("Reverse of string is::"+rev);

}

}

**Program 10:**

**PalindromeString**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** PalindromeString {

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

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

System.***out***.print("Enter the string you want to check:");

String str = sc.next();

String org\_str=str; //maam

String rev="";

**int** len=str.length();

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

{

rev = rev + str.charAt(i);//maam

}

**if**(org\_str.equals(rev))

{

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

}

**else**

{

System.***out***.println("The string is not palindrome.");

}

}

}

**Program 11:**

**ArmstrongNumber**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** ArmstrongNumber {

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

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

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

**int** number = sc.nextInt();//153

**int** t1=number;//t1=153

**int** length = 0;

**while**(t1!=0) {//1!=0

t1 = t1/10;//.

length = length+1;//3 // for find out number of digits

}

**int** t2 = number;//153

**int** arm = 0;

**int** rem ;

**while**(t2!=0) {//15!=0

**int** mul =1;

rem = t2%10;//1

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

mul = mul\*rem;//1

}

arm = arm+mul;//153

t2 = t2/10;//.

}

**if**(arm==number) {

System.***out***.println(number +" is Armstrong number");

}

**else** {

System.***out***.println(number +" is not Armstrong number");

}

}

}

**Program 12:**

**ArrayAscending**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** ArrayAscending {

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

//Create object of scanner class

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

System.***out***.println("Enter the size of Array:");

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

//Declare and initialize Array and other Required variables..

**int** a[] = **new** **int** [n];//n=3

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

//Now get all array elements from user

System.***out***.println("Enter " + n +" number of array elements: ");

**for**(i=0;i<n;i++) {

a[i]=sc.nextInt();

}

//Print all array elements

System.***out***.println("All array elements are: ");

**for**(i=0;i<n;i++) {

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

}

//Now arrange array elements in ascending order

**for**(i=0;i<n;i++) {//i=2

**for**(j=i+1;j<n;j++) {//j=2

**if**(a[i]>a[j]) {//6>1

temp=a[i];//6

a[i]=a[j];//1

a[j]=temp;//6

}

}

}

//Print array in ascending order...

System.***out***.println("\nArray Elements in Ascending Order: ");

**for**(i=0;i<n;i++) {

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

}

}

}

**Program 13:**

**ArrayDesending**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** ArrayDesending {

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

//Create object of scanner class

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

System.***out***.println("Enter the size of Array:");

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

//Declare and initialize Array and other Required variables..

**int** a[] = **new** **int** [n];//n=3

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

//Now get all array elements from user

System.***out***.println("Enter " + n +" number of array elements: ");

**for**(i=0;i<n;i++) {

a[i]=sc.nextInt();

}

//Print all array elements

System.***out***.println("All array elements are: ");

**for**(i=0;i<n;i++) {

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

}

//Now arrange array elements in ascending order

**for**(i=0;i<n;i++) {//i=2

**for**(j=i+1;j<n;j++) {//j=2

**if**(a[i]<a[j]) {//6>1

temp=a[i];//6

a[i]=a[j];//1

a[j]=temp;//6

}

}

}

//Print array in ascending order...

System.***out***.println("\nArray Elements in Desending Order: ");

**for**(i=0;i<n;i++) {

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

}

}

}

**Program 14:**

**ArrayMinElement**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** Array**Min**Element {

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

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

System.***out***.println("Enter the Length of Array::");

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

System.***out***.println("Enter the "+n+" number of Array Element::");

**int** a[] = **new** **int**[n];

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

a[i] =sc.nextInt();

}

**int** min=a[0];//5

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

**if**(a[i]<min) {//7>5

min=a[i];//7

}

}

System.***out***.println("Minimum Element is::"+min);

}

}

**Program 15:**

**ArrayMaxElement**

**package** CoveredJavaPrograms;

**import** java.util.Scanner;

**public** **class** ArrayMaxElement {

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

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

System.***out***.println("Enter the Length of Array::");

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

System.***out***.println("Enter the "+n+" number of Array Element::");

**int** a[] = **new** **int**[n];

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

a[i] =sc.nextInt();

}

**int** max=a[0];//5

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

**if**(a[i]>max) {//7>5

max=a[i];//7

}

}

System.***out***.println("Maximum Element is::"+max);

}

}

**Program 16:**

**Star1**

**package** CoveredJavaPrograms;

**public** **class** Star1 {

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

//i for rows and j for columns

//row denotes the number of rows you want to print

**int** i, j, row=6;

//outer loop for rows

**for**(i=0; i<row; i++) //i=1

{

//inner loop for columns

**for**(j=0; j<=i; j++)

{

//prints stars

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

}

//throws the cursor in a new line after printing each line

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

}

}

}

**Program 17:**

**Star2**

**package** CoveredJavaPrograms;

**public** **class** Star2 {

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

**for**(**int** i=1;i<=4;i++) //i=3

{

**for**(**int** j=3;j>=i;j--)//i=2

{

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

}

**for**(**int** k=1;k<=i;k++) {//i=2

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

}

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

}

}

}

**Program 18:**

**Star3**

**package** CoveredJavaPrograms;

**public** **class** Star3 {

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

**for**(**int** i=1;i<4;i++) //i=2

{

**for**(**int** j=3;j>=i;j--)//i=2

{

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

}

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

}

}

}