**Prime Numbers in an Arary of Numbers**

**import** java.util.Scanner;

**public** **class** PrimeInArary {

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

PrimeInArary pm=**new** PrimeInArary();

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

System.***out***.println("enter the size of array");

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

System.***out***.println("enter the elements of array");

**int** arr[]= **new** **int**[m];

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

arr[i]=sc.nextInt();

}

sc.close();

pm.primeInArary(m,arr);

}

**void** primeInArary(**int** m,**int**[]arr){

System.***out***.println("Prime Numbers in the Array are:");

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

**boolean** isPrime = **true**;

**if** (arr[i] == 1)

isPrime = **false**;

**else**{

**for** (**int** j=2; j<arr[i]; j++){

**if**(arr[i]%j==0){

isPrime = **false**;

**break**;

}

}

}

**if**(isPrime)

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

}

}

}

SubArray in Arary

**public** **class** ArrayInArray {

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

**int** flag = 0;

**int** a[]={2,3,4,5,6};

**int** b[]={4,5,6};

**int** m=a.length;

**int** n=b.length;

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

**if**(b[0]==a[i]){

flag=1;

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

**if**((b[j]!=a[i+j])||(a.length<=(i+j))){

flag=0;

**break**;

}

}

**if**(flag==1){

System.***out***.println("SubArray is present");

System.***out***.println("index is "+i);

}

}

}

}

}

Number is Palindrome or not

**import** java.util.Scanner;

**public** **class** NumberPalindrome {

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

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

System.***out***.println("enter the number to be checked");

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

sc.close();

**int** num=m;

**int** rev=0;

**int** rmd;

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

rmd=num%10;

rev=(rev\*10)+rmd;

num=num/10;

}

**if**(rev==m)

System.***out***.println("Number is a palindrome");

**else**

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

}

}

Common Elements in Array

**public** **class** CommonElements {

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

**int**[] array1 = {2,5,4,1,7};

**int**[] array2={2,4,5,6,9};

System.***out***.println("Duplicates in the arary are ");

**for**(**int** i=0;i<array1.length;i++){

**for**(**int** j=0;j<array2.length;j++){

**if**(array1[i]==array2[j]){

System.***out***.println(array1[i]);

}

}

}

}

}