**package** method\_programs;

**public** **class** binary {

**public** **static** **int** binarys(**int** num[],**int** t,**int** r ,**int** l) {

**while**(l<=r) {

**int** mid=l+(r-l)/2;

//mid[];

**if**(num[mid]==t) {

**return** mid;

}

**if**(t>num[mid]) {

l=mid+1;

}

**else** {

r=mid-1;

}

}

**return** -1;

//return mid(arr.length-1);

}

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

**int** num[]= {-1,0,3,5,9,12};

**int** n=num.length;

**int** t=9;

**int** loc=*binarys*(num,t,n-1,0);

//int mid=0;

**if**(loc==-1)

System.***out***.println("Element not found");

**else**

System.***out***.println("Element found at location is :"+loc);

//System.out.println();

}

}