Ques1. **package** org.example;

**public** **class** ques1 {

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

//int arr[]= new int[]{1,2,3,4,5};

**int** arr[]= {1,2,3,4,5};

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

{

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

}

}

}

Ques 2. **package** org.example;

**import** java.util.Scanner;

**public** **class** ques2 {

**public** **void** acceptRecord(**int** arr[],**int** n) {

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

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

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

{

arr[i]=sc.nextInt();

}

}

**public** **void** PrintRecord(**int** arr[],**int** n) {

System.***out***.println("Elements are :");

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

{

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

}

}

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

// **TODO** Auto-generated method stub

ques2 qs = **new** ques2();

**int** n=5;

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

qs.acceptRecord(arr, n);

qs.PrintRecord(arr, n);

}

}

Ques 3. **package** org.example;

**public** **class** ques3 {

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

**int** arr[]= {1,2,3,4,5};

**int** min=Integer.***MAX\_VALUE***,max=Integer.***MIN\_VALUE***;

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

{

**if**(arr[i]>max)

{

max=arr[i];

}

**else** **if**(arr[i]<min)

{

min=arr[i];

}

}

System.***out***.println("max"+max+"min"+min);

}

}

Ques 4. package org.example;

import java.util.Scanner;

public class ques4 {

public void acceptRecord(int arr[], int n) {

System.out.println("Enter the elements:");

Scanner sc = new Scanner(System.in);

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

arr[i] = sc.nextInt();

}

}

public void PrintR(int arr[], int n) {

int[] temp = new int[n];

int newSize = 0;

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

boolean isDuplicate = false;

for (int j = 0; j < newSize; j++) {

if (arr[i] == temp[j]) {

isDuplicate = true;

break;

}

}

// If not a duplicate, add it to the temp array

if (!isDuplicate) {

temp[newSize] = arr[i];

newSize++;

}

}

System.out.println("Array After Removing Duplicates:");

for (int i = 0; i < newSize; i++) {

System.out.print(temp[i] + " ");

}

System.out.println();

}

public static void main(String[] args) {

ques4 qs = new ques4();

int n = 5;

int arr[] = new int[n];

qs.acceptRecord(arr, n);

qs.PrintR(arr, n);

}

}

Ques 5**package** org.example;

**public** **class** ques5 {

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

**int** [][] arr= **new** **int** [5][5];

**for**(**int** i=0;i<5;i++)

{

**for**(**int** j=0;j<5;j++)

{

**if**(i==j)

{

arr[i][j]=1;

}

**else** {

arr[i][j]=0;

}

}

}

**for**(**int** i=0;i<5;i++)

{

**for**(**int** j=0;j<5;j++)

{

System.***out***.print(arr[i][j]+" ");

}

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

}

}

}

Ques 6. **package** org.example;

**import** java.util.Scanner;

**public** **class** ques6 {

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

**int** n;

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

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

n=sc.nextInt();

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

**int** expsum=0,actsum=0;

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

{

arr[i]=sc.nextInt();

actsum+=arr[i];

}

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

{

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

expsum+=arr[i];

}

System.***out***.println(expsum-actsum);

}

}

Ques 7. **package** org.example;

**import** java.util.Scanner;

**class** Array{

**private** **int**[] arr;

**public** Array (**int** size) {

**this**.arr= **new** **int**[size];

}

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

**public** **void** acceptRecord() {

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

**for**(**int** i=0;i<**this**.arr.length;i++)

{

**this**.arr[i]=*sc*.nextInt();

}

}

**public** **void** printRecord() {

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

**for**(**int** i=0;i<**this**.arr.length;i++)

{

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

}

}

}

**public** **class** ques7 {

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

// **TODO** Auto-generated method stub

Array a1 = **new** Array(5);

a1.acceptRecord();

a1.printRecord();

}

}

Ques 8. **package** org.example;

**import** java.util.Scanner;

**class** Array {

**private** **int**[] arr;

**public** Array(**int** size) {

**this**.arr = **new** **int**[size];

}

**public** Array(**int**[] arr) {

**this**.arr = arr;

}

**public** **int**[] getArr() {

**return** arr;

}

**public** **void** setArr(**int**[] arr) {

**this**.arr = arr;

}

}

**public** **class** ques8 {

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

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

System.***out***.println("ENter the size");

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

Array a1 = **new** Array(n);

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

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

{

a1.getArr()[i]=sc.nextInt();

}

**int**[] arr = a1.getArr();

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

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

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

}

}

}

Ques9. **package** com.example.domain;

**import** java.util.Scanner;

**class** Airplane {

**private** **int** rows;

**private** **int** cols;

**private** **int**[][] seat;

**public** Airplane(**int** rows,**int** cols) {

**this**.rows=rows;

**this**.cols=cols;

**this**.seat=**new** **int**[rows][cols];

}

**public** **int** getRows() {

**return** rows;

}

**public** **void** setRows(**int** rows) {

**this**.rows = rows;

}

**public** **int** getCols() {

**return** cols;

}

**public** **void** setCols(**int** cols) {

**this**.cols = cols;

}

**public** **void** bookseat(**int** r,**int** c)

{

seat[r][c]=1;

}

**public** **void** cancel(**int** r,**int** c)

{

seat[r][c]=0;

}

**public** **void** checkseat(**int** r, **int** c)

{

**if**(seat[r][c]!=1)

{

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

}

**else** {

System.***out***.println("NO ");

}

}

**public** **void** currentseats()

{

**for**(**int** i=0;i<rows;i++)

{

**for**(**int** j=0;j<cols;j++)

{

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

}

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

}

}

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

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

//Airplane a1= new Airplane();

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

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

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

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

Airplane a1= **new** Airplane(a,b);

System.***out***.println("Seat to be booked ");

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

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

a1.bookseat(r, c);

System.***out***.println("is Seat to be booked avcailable ");

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

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

a1.checkseat(rc, cr);

System.***out***.println("Seats available:");

a1.currentseats();

}

}