

JAVA PROGRAM

QUESTION NO:04 WRITE A PROGRAM THAT DETECTS THE DUPLICATE CHARACTER IN A STRING?

```
import java.util.*;
public class DuplicateCharcater {
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the string:");
        String str=sc.nextLine();
        char[] ch=str.toCharArray();
        int length=str.length();
        for(int i=0;i<length;i++){
            for(int j=i+1;j<length;j++){
                if(ch[i]==ch[j]){
                    System.out.println("Duplicate character is: "+ch[j]);
                    break;
                }
            }
        }
    }
}
```

OUTPUT:

Enter the string:

how are you?

Duplicate character is: o

QUESTION NO:16 HOW TO SORT ARRAY IN JAVA?

```
import java.util.*;
public class ArraySort {

    public static void main(String[] args) {
        int[] array=new int[]{ 10,223,256,567,520,12};
        Arrays.sort(array);
        System.out.println("Array Sorted in:");
        for(int i=0;i<array.length;i++){
            System.out.print(array[i]+" ");
        }
    }
}
```

OUTPUT:

Array Sorted in:

10 12 223 256 520 567

QUESTION NO:78 HOW TO CREATE PRIORITY QUEUE PROGRAM IN JAVA?

```
import java.util.*;
public class Queue {

    public static void main(String[] args) {
        PriorityQueue<Integer> p=new PriorityQueue<Integer>();
        p.add(15);
        p.add(50);
        p.add(30);
        p.add(20);
        System.out.println(p);

        System.out.println("head is:"+p.peek());

        System.out.println("poll removed value is:"+p.poll());
        System.out.println("after poll removal: "+p);
    }
}
```

OUTPUT:

[15, 20, 30, 50]

head is:15

poll removed value is:15

after poll removal: [20, 50, 30]

SQL Queries

EMPNO	ENAME	DOJ	JOB	SAL	COMM	MGRID	DEPTNO
101	sugumaran	19-NOV-05	MD	50000			
102	sarguna	15-OCT-06	manager	25000		111	20
103	halid	10-MAY-07	sales man	18000	6000	112	10
104	vikram	05-MAY-08	clerk	8000	2000	112	10
105	suriya	14-MAR-06	sales man	15000	2000	111	10
106	vivek	15-MAY-08	associate	24000	7500	113	30

107	sharath	12-AUG-09	executive	22000	6500	113	30
108	kali	28-FEB-09	associate	24000	6500	113	30
109	mukilan	28-MAR-10	j.manager	22000		111	20
110	moorthy	12-DEC-11	trainee	18000	1000	114	40
111	ramraj	02-NOV-12	trainee	17500	1000	114	40

QUESTION NO:03 WRITE A SQL QUERY TO RENAME THE COLUMN NAME.

SQL> alter table emp rename column sal to salary;

EMPNO	ENAME	DOJ	JOB	SALARY	COMM	MGRID	DEPTNO

101	sugumaran	19-NOV-05	MD	50000			
102	sarguna	15-OCT-06	manager	25000		111	20
103	halid	10-MAY-07	sales man	18000	6000	112	10
104	vikram	05-MAY-08	clerk	8000	2000	112	10
105	suriya	14-MAR-06	sales man	15000	2000	111	10
106	vivek	15-MAY-08	associate	24000	7500	113	30
107	sharath	12-AUG-09	executive	22000	6500	113	30
108	kali	28-FEB-09	associate	24000	6500	113	30
109	mukilan	28-MAR-10	j.manager	22000		111	20
110	moorthy	12-DEC-11	trainee	18000	1000	114	40
111	ramraj	02-NOV-12	trainee	17500	1000	114	40

QUESTION NO:07 PRINT MAXIMUM SALARY FOR A PARTICULAR DEPARTMENT

select deptno,max(salary) from emp group by deptno;

DEPTNO	MAX(SALARY)
-----	-----
	50000
30	24000
20	25000
40	18000
10	18000

QUESTION NO:10 WHAT IS THE QUERY TO DISPLAY THE LAST 5 RECORDS FROM THE EMPLOYEE TABLE?

select * from emp where rownum<=5 order by empno desc;

EMPNO	ENAME	DOJ	JOB	SALARY	COMM	MGRID	DEPTNO
-----	-----	-----	-----	-----	-----	-----	-----
111	ramraj	02-NOV-12	trainee	17500	1000	114	40
110	moorthy	12-DEC-11	trainee	18000	1000	114	40
109	mukilan	28-MAR-10	j.manager	22000		111	20
108	kali	28-FEB-09	associate	24000	6500	113	30
107	sharath	12-AUG-09	executive	22000	6500	113	30