

**19410121022**

1.import java.util.\*;

public class Main {

```
    public static void main(String[] args) {  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Enter the size");  
        int n=sc.nextInt();  
        String s[]=new String[n];  
        System.out.println("Enter the elements in array");  
        for(int i=0;i<s.length;i++) {  
            s[i]=sc.next();  
        }  
        HashSet<String> str=new HashSet<String>();  
        for(int i=0;i<s.length;i++) {  
            str.add(s[i].toLowerCase());  
        }  
        System.out.println(str);
```

```
    }
```

```
}
```

2.public class Main {

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

```
        Product pr = new Product();
```

```
        pr.getProductName();
```

```
        Price p = new Price();
```

```
        p.getPrice();
```

```
    }
```

```
}
```

```
abstract class Market{
```

```

    abstract void getPrice();
    abstract void getProductName();
}

class Price extends Market{
    @Override
    public void getPrice(){
        System.out.println("The price is "+15);
    }
    @Override
    public void getProductName(){

    }
}

```

```

class Product extends Market{
    @Override
    public void getProductName(){
        System.out.println("Product = Biscuit");
    }
    @Override
    public void getPrice(){

    }
}

```

```

3.import java.util.*;

public class Main {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the size of array");
        int size=sc.nextInt();
    }
}

```

```

        int array[]=new int[size];

        System.out.println("Enter elements to array");

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

            array[i]=sc.nextInt();

        }

        int temp;

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

            for(int j = i+1; j<size; j++){

                if(array[i]>array[j]){

                    temp = array[i];

                    array[i] = array[j];

                    array[j] = temp;

                }

            }

        }

        System.out.println("second largest number is:: "+array[size-2]);

    }

}

```

```

4. public class Main {

    public static void main(String[] args) {

        int arr[] = {5,6,7,8,9,1,2,13};

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

        {

            for(int j=i+1;j<arr.length;j++)

            {

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

                {

                    if(arr[i]+arr[j]==arr[k])

                    {

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

                    }

                }

            }

        }

    }

}

```

## Sql

```
SELECT SUM(marks) AS TotMarks FROM Subject, Student
WHERE Subject.id = Student.id
AND sname = 'Yash';
```

```
2. CREATE TABLE Product(  
    id INT PRIMARY KEY,  
    name VARCHAR(30),  
    price INT,  
    location VARCHAR(30)  
);
```

```
CREATE TABLE manufacturer(  
    id INT,  
    company_name VARCHAR(30),  
    product_id VARCHAR(5),  
    address VARCHAR(20),  
    FOREIGN KEY(id) REFERENCES Product(id)  
);
```

```
INSERT INTO Product VALUES(1, 'Yash', 100, 'bbsr');  
INSERT INTO Product VALUES(2, 'Aman', 200, 'jsg');  
INSERT INTO Product VALUES(3, 'Anurag', 50, 'jsr');  
INSERT INTO Product VALUES(4, 'Ayush', 300, 'sng');  
INSERT INTO Product VALUES(5, 'Harsh', 70, 'bjr');
```

```
INSERT INTO manufacturer VALUES(2, 'Virtusa', 'A01', 'khandagiri');  
INSERT INTO manufacturer VALUES(3, 'Microsoft', 'A02', 'Patia');  
INSERT INTO manufacturer VALUES(3, 'Hexaware', 'A03', 'Udaygiri');  
INSERT INTO manufacturer VALUES(1, 'Informatica', 'A04', 'Jagmohan Nagar');  
INSERT INTO manufacturer VALUES(4, 'Meta.net', 'A05', 'Bapujinagar');
```

```
SELECT company_name FROM Product, manufacturer  
WHERE Product.id = manufacturer.id  
AND product_id = 'A02';
```

### **HTML**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <title>WEBPAGE</title>
```

```
    <style>
```

```
        div.container{
```

```
            display:grid;
```

```
            grid-template-columns:18% 78%;
```

```
grid-gap:10px;  
}
```

```
div.nested-item{  
  display:grid;  
  grid-template-columns:repeat(1,1fr);  
  grid-template-rows: 75px 420px 75px;  
}
```

```
div.main-section{  
  display:grid;  
  grid-template-columns:30% 20%;  
  grid-gap:10px;  
}
```

```
div.item2{  
  background-color:green;  
  padding:10px;  
}
```

```
div.item3{  
  background-color:skyblue;  
  padding:10px;  
}
```

```
div.item4{  
  background-color:rgb(169, 205, 50);  
  padding:10px;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="container">
```

```
<div class="item1" id="nav" >
```

```
<br>
```

```
Sign up<br>
```

```
    Home<br>
    Product<br>
    Help
</div>
<div class="nested-item">
    <div class="item2" id="header">
        SITE NAME
    </div>
    <div class="main-section">
        <div class="item3" id="article">
            CONTENT
        </div>
        <div class="item4" id="ads">

        </div>
    </div>
    <div class="item2" id="footer">
        Footer
    </div>
</div>
</div>
</body>
</html>
```