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JAVA Programs:

1.) Unique String:

```
public class Uniquestring {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        String str[] = {"abc", "def", "ABZ", "ASD", "AbC"};
        int len = str.length;
        String res[] = new String[len];
        int r = 0;
        for(int i=0; i<len; i++)
        {
            String u = str[i].toUpperCase();
            String l = str[i].toLowerCase();
            if(str[i].compareTo(u)==0 || str[i].compareTo(l)==0)
                res[r++] = str[i];
        }
        for(int i=0; res[i]!=null; i++)
            System.out.println(res[i]);
    }

}
```

2.) Abstract Class & Method:

```
public abstract class market {

    abstract void getPrice();

    abstract void getProductName();

}
```

3.) Second Largest:

```
public class Seclargest {

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

```

        // TODO Auto-generated method stub
        String str[] = {"4","10","6", "74","43","48"};
        int f = Integer.valueOf(str[0]);
        int s = Integer.valueOf(str[0]);
        for(int i=1;i<str.length;i++)
        {
            int c = Integer.valueOf(str[i]);
            if(c>f)
            {
                s = f;
                f = c;
            }
            else
            {
                if(c>s && c<f)
                s = c;
            }
        }
        System.out.println("Second Largest = "+s);
    }
}

```

4.) Sum of pairs:

```

public class sumofpairs {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int arr[] = {2,5,8,9,0,1,7,10};

        for(int i=0;i<arr.length-1;i++)
        {
            for(int j:arr)

                if(arr[i]+arr[i+1] == j)

                    System.out.println("(" +arr[i]+"," +arr[i+1]+")");

        }
    }
}

```

SQL Commands:

- 1.) CREATE TABLE Subject (id integer, rollno integer, subject_name varchar, marks integer, primary key(id));

```
CREATE TABLE Student(id integer, rollno integer, sname varchar, address varchar, foreign key(id) references subject(id));
```

```
SELECT subject_name, COUNT(id) AS 'Total Students' from Subject where subject_name = "CS";
```

```
SELECT id, SUM(marks) AS 'Total Marks' from Subject, Student where id = 2;
```

- 2.) CREATE TABLE Product(id integer, name varchar(10), price integer, location varchar(30), primary key(id));

```
CREATE TABLE Manufacturer(id integer, company_name varchar(10), productid varchar(10), address varchar(30), foreign key(id) references Product(id));
```

```
SELECT company_name from Product, Manufacturer Where product.id = manufacturer.id and product.id = '121';
```

HTML:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <link rel="stylesheet" href="task.css" />
    <title>TASK 1</title>
    <link
      rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/css/bootstrap.min.css"
      integrity="sha384-
      MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
      crossorigin="anonymous"
    />
  </head>
  <body>
    <div class="row">
      <div class="col-lg-2" style="background-color: red; border: 1px solid">
        
      </div>
    </div>
  </body>
</html>
```

```

</div>
<div class="col-lg-10" style="background-color: green; border: 1px solid">
  <h1 class="name">XYZ SITE</h1>
</div>
</div>
<div class="row2">
  <div
class="col-9"
  style="
    background-color: aqua;
border: 1px solid;    margin-left:
350px;
    height: 500px;
    "
  >
    <h1 class="content">content</h1>
    <table>
      <tr>
        <th>product_id</th>
        <th>product_name</th>
        <th>price</th>
        <th>location</th>
      </tr>
      <tr>
        <td>1</td>
        <td>A</td>
        <td>100</td>
        <td>BBSR</td>
      </tr>
      <tr>
        <td>2</td>
        <td>B</td>
        <td>200</td>
        <td>BBSR</td>
      </tr>
    </table>
  </div>
</div>
<div class="row3">
  <div
class="col-12"
  style="background-color: green; border: 1px solid; height: 60px"
  >
    <h1 class="footer">Footer</h1>
  </div>
</div>

```

```
</body>
</html>
```

CSS:

```
.name { text-align: center;
color: white;
}
.content { text-align: right; color:
white;
} .footer { text-align: right;
color: white; }
table {
width: 100%;
}
```