Email and password Validation

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>


<body>
<script>
	function myfunction()
	{
		var password = document.getElementById("password");
		var passw = /^[A-Za-z]\w{8,14}$/;
		if(password==null||password=="")
		{
			document.getElementById("passwordvalidate").innerHTML=" please
enter valid password";
		}
		else
		{
			if(!password.match(passw))
			{
				document.getElementById("passwordvalidate").innerHTML
="please enter valid Passwrd";
			}
			else
			{
				document.getElementById("passwordvalidate").innerHTML="";
			}
		}
	}

</script>


<label>Username:</label>
<input type="text" id="uname"><small style="color:red;" id></small>
<br>
<label>Password:</label>
<input type="password" id="pasword" onblur="myfunction()">
<small style="color:red;" id="passwordvalidate"></small>



</body>
</html>
```

Count and occerance of a character in string

```
public class strsample {

	public static void main(String[] args)
	{
		Scanner sc = new Scanner(System.in);
		System.out.print("Enter your String :");
		String str = sc.nextLine();
		System.out.println("Enter character :");
		char c = sc.next().charAt(0);
		int count=0,len=str.length(),i;
		for(char r:str.toCharArray())
		{
			if(c==r)
			{
				count++;
			}
		}
		System.out.println("Occrance :"+count);

		for(i=0;i<len;i++)
		{
			if(str.charAt(i)==c)
			{
				System.out.println("Position is :"+i);
			}
		}
	}

}
```

Comparing two array

```
public class Sample
{
	public static void main(String args[])
	{
		Scanner sc = new Scanner(System.in);
	  String s = "";
	  char f;
	  s = sc.nextLine();
	  f = sc.next().charAt(0);
	  int len = s.length(),count=0;
	  for(char c:s.toCharArray())
	  {
		if(c==f)
		{
			count++;
		}
	  }
	  System.out.print("Occurence of "+f+": "+count);
	}
}
```

Palindrome for String

```
		Scanner sc = new Scanner(System.in);
		String str = "",reverse="";
		str = sc.nextLine();
		int len = str.length(),i;
		for(i = len-1;i>=0;i--)
		{
			reverse = reverse + str.charAt(i);
		}
		if(str.equals(reverse))
		{
			System.out.println("It is a palindrome");
		}
		else
		{
			System.out.println("It is not a palindrome");
		}
```

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Palindrome for numbers

```
int n,i,num,rev,sum = 0;
num = sc.nextInt();
n=num;
while(n>0)
{
	rev = n%10;
	sum = sum*10 + rev;
	n = n/10;
}
if(sum==num)
{
	System.out.println("palindrome");
}
else
{
	System.out.print("not a palindrome");


}
```

Fibonacci Series

```
int i,num,a=0,b=1,c;
num = sc.nextInt();
System.out.println(a);
System.out.println(b);
for(i=0;i<num-2;i++)
{
	c=a+b;
	a=b;
	b=c;
	System.out.println(c);
}
```

Electricity Bill

```
int units,price;
units = sc.nextInt();
if(units>0 && units<=100)
{
	price = units*1;
}
else
{
	if(units>100 && units<=200)
	{
		price = 100+(units-100)*2;
	}
	else
	{
		if(units>200 && units<=300)
		{
			price = 300+(units-200)*3;
		}
		else
		{
			price = 600 + (units-300)*5;
		}
	}
}
System.out.println(price);
```

Prime Number

```
int p = sc.nextInt(),i;
int num = p,f=0;
if(p==0||p==1)
{
	System.out.println("it is a prime number");
}
else
{
	for(i=2;i<=p/2;i++)
	{
		if(num%i == 0)
		{
			System.out.println("it is not a prime number");
			f=1;
			break;
		}
	}
}
if(f==0)
{
	System.out.println("prime number");
}
```

Floyd Pattern in java

```
int i,j,k=1;
for(i=1;i<=5;i++)
{
	for(j=1;j<=i;j++)
	{
		System.out.print(k+" ");
		k++;
	}
	System.out.println();
}
```

Leap Year

```
int i=sc.nextInt();
if((i%4 == 0) && (i%100 != 0) && (i%400 == 0))
{
	System.out.println("leap year");
}
Else
{System.out.println("it is not a leap year");}
```

SubString

```
String str ="prerit";
System.out.println(str.substring(2,3));
```

Count Number of String

```
String str = sc.nextLine();
int count=0;
for(char c:str.toCharArray())
{
	count++;
}
System.out.println(count);
```

Compare two character

```
		String str = sc.nextLine();
		char c = sc.next().charAt(0);
		int len = str.length(),i,count=0;
		for(i=0;i<len;i++)
		{
			if(c==str.charAt(i))
			{
				count++;
			}
		}
```

Every Patterms

https://cbasicprogram.blogspot.com/2012/04/number-patterns.html

Program to check for type of list content and sort string in descending order, odd element in descending order and sum of even number.

```
import java.util.ArrayList;
import java.util.Collection;
import java.util.Collections;
import java.util.Iterator;
import java.util.List;

public class MyProgram
{
	public static void main(String args[])
	{
		List l = new ArrayList();
		List<String> l1 = new ArrayList<String>();
		List l2 = new ArrayList();
		List l3 = new ArrayList();
		List flist = new ArrayList();
		int sum = 0;
		l.add(45.5);
		l.add(5);
		l.add(2);
		l.add(8);
		l.add(3);
		l.add("Abc");
		l.add(6);
		l.add(65.3);
		l.add("xyz");
		l.add("Abd");

		Iterator itr = l.iterator();
		while(itr.hasNext())
		{
			Object obj = itr.next();
			if(obj.getClass().getSimpleName().equalsIgnoreCase("String"))
			{
				l1.add((String) obj);
			}
			else
			{

	if(obj.getClass().getSimpleName().equalsIgnoreCase("Integer"))
					{
						int i = (int) obj;
						if(i%2==0)
						{
```

```
                                        sum = sum +i;
                                }
                                else
                                {
                                        l2.add(obj);
                                }
                        }
                        else
                        {

        if(obj.getClass().getSimpleName().equalsIgnoreCase("Double"))
                                {
                                }
                        }
                }
        }

        Collections.sort(l1,Collections.reverseOrder());
        for(String str: l1)
        {
                flist.add(str);
        }
        Iterator itr1 = l2.iterator();
        while(itr1.hasNext())
        {
                flist.add(itr1.next());
        }
        flist.add(sum);
        System.out.println(flist);
    }
}
```