

姓名

学号

班

专业

学院

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2. public class Two (12分)

```

{
    public static void main(String[] args) {
        int a[][]=new int[4][4];
        for(int i=0;i<4;i++)
            for(int j=0;j<4;j++)
                if (i>=j)
                    a[i][j]=i*4+j+1;
                else
                    a[i][j]=0;
        for(int i=0;i<4;i++){
            for(int j=0;j<4;j++)
                System.out.print(a[j][i]+"\\t");
            System.out.println();
        }
    }
}
```

3. public class Three (12 分)

```

{
    public static void g(int i) throws Exception {
        try {
            if(12/i> 5)
                throw new Exception();
        }
        catch (ArithmeticException e) {
            System.out.println("Divide by Zero!");
        }
        finally {

            System.out.println("Finally 1");
        }
    }
    public static void main(String[] args) {
        int[] array = { 2, 0 };
        for (int i = 0; i<= 2; i++)
```

```

        try {
            g(array[i]);
        }
        catch (Exception e) {
            System.out.println("End.");
        }
        finally {
            System.out.println("Finally 2");
        }
    }
}
```

4. public class Four (8分)

```

{
    public static void perm(int a[], int length, int digit)
    {
        if(digit>length)
        {
            for(int i=0; i<length; i++)
                System.out.print(a[i]);
            System.out.print("\\n");
            return;
        }

        for(int i=0; i<length-1; i++)
            if(a[i]==0){
                a[i]=digit;
                perm(a,length,digit+1);
                a[i]=0;
            }
    }
    public static void main(String[] args)
    {
        int[] a=new int[4];
        for(int i=0; i<a.length; i++)
            a[i]=0;
        perm(a,4,2);
    }
}
```