

1st Notes

//Omkar

//2-10-2020

//Desc: Split up a single five digit integer

```
import java.util.Scanner;
```

```
public class Day5_Homework
```

```
{
```

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

```
    {
```

```
        Scanner input = new Scanner(System.in);
```

```
        //Number and types of variables:
```

```
        int num; //user input value
```

```
        int output1, output2, output3, output4, output5;
```

```
        //Ask the user to type in a number
```

```
        System.out.println("Enter a 5 digit integer:");
```

```
        num = input.nextInt();
```

```
        //Calculate individual Digits
```

```
        output1 = num / 10000;
```

```
        output2 = (num % 10000) / 1000;
```

```
        output3 = (num % 1000) / 100;
```

```
        output4 = (num % 100) / 10;
```

```
        output5 = (num % 10) / 1;
```

```
        //Print the results
```

```
        System.out.println(output1+" "+output2+" "+output3+" "+output4+" "+output5);
```

```
    }
```

```
}
```

Output

```
C:\IntroPd8Spring\Day 5\Homework>javac Day5_Homework.java

C:\IntroPd8Spring\Day 5\Homework>java Day5_Homework
Enter a 5 digit integer:
42339
4   2   3   3   9

C:\IntroPd8Spring\Day 5\Homework>
```