

```
import java.util.*;
public class Q1{
    public static boolean isPerfect(int num) {
        boolean z = false;
        int perfectnum=0;
        int divisors=1;
        int sumDivisors=0;
        while(divisors<num){
            if(num/divisors==0){
                System.out.println(divisors);
            }
            divisors++;
            sumDivisors=sumDivisors+divisors;

        }
        if(num==sumDivisors){
            z=true;
            perfectnum=perfectnum+num;
        }
        else{
            z=false;
        }
    }
    for(int i=1;i<=10;i++){
        for(int j=1;j<=5;j++){
            System.out.print(perfectnum);
```

```

    }
    System.out.println();
}
return z;
}
public static void main(String arg[]){
    Scanner s=new Scanner(System.in);
    System.out.println("enter a positive integer");
    int n=s.nextInt();
    System.out.println("is the number perfect?" +isPerfect(n));

}

```

```

}
public class Q3 {
    public static void main(String[]args){
        System.out.println("seconds      minutes      remaining seconds ");
        System.out.println(" 60          1           0      ");
    }
}

```

```
System.out.println(" 75      1      15  ");
System.out.println(" 90      1      30  ");
System.out.println(" ...      ");
System.out.println(" 600     10      0   ");
    }
}
```

```
import java.util.*;
```

```
public class Q21 {
```

```
    public static void printShape(int n) {
```

```
        for(int i=1;i<=n;i++){
```

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

```
                System.out.print(j+" ");
```

```
            }
```

```
        System.out.println();
```

```
    }
```

```
}
```

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

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

```
    System.out.println("enter value N");
```

```
    int n=s.nextInt();
```

```
    printShape(n);
}
}
import java.util.*;
public class Q22 {
    public static void countDigits(int num){

        if(num<10&&num>-10){
            System.out.println("1");
        }else if (num<20&&num>-20){
            System.out.println("2");
        }

    }

    public static void main(String[] args) {
        Scanner s=new Scanner(System.in);
        System.out.println("enter integer");
        int num=s.nextInt();
        countDigits(num);

    }
}
```