

```
//1
```

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    while (1)
```

```
    {
```

```
        int m,n;
```

```
        scanf("%d%d",&m,&n);
```

```
        if(m==0 && n==0)
```

```
        {
```

```
            break;
```

```
        }
```

```
        int carry=0;
```

```
        int ncarries=0;
```

```
        while (m>0 || n>0)
```

```
        {
```

```
            carry= (m%10+n%10+carry)/10;
```

```
            // printf("\ncarry=%d",carry);
```

```
            m=m/10;
```

```
            // printf("\nm=%d",m);
```

```
            n=n/10;
```

```
            // printf("\nn=%d",n);
```

```
            if (carry){
```

```
                ncarries++;
```

```
            }
```

```
            //printf("\ncarries=%d",ncarries);
```

```
        }
```

```
        if (ncarries==0){
```

```
            printf("\nNo carry opration.");
```

```
        }
```

```
        else{
```

```
            printf("\n%d carry opration.",ncarries);
```

```
        }
```

```
    }
```

```
    return 0;
```

```
}
```

//2

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

```
public class Main
```

```
{
```

```
    public static int reverse(int number)
```

```
    {
```

```
        // public int num=number;
```

```
        int rev = 0;
```

```
        while(number != 0)
```

```
        {
```

```
            int remainder = number % 10;
```

```
            rev = rev * 10 + remainder;
```

```
            number = number/10;
```

```
        }
```

```
        return rev;
```

```
}
```

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

```
    {
```

```
        int z;
```

```
        // System.out.println("The reverse of the given number is: " +reverse(123));
```

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

```
        System.out.println("enter no");
```

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

```
        int x=reverse(n);
```

```
        if(x==n){
```

```
            System.out.println("0");
```

```
        }
```

```
        else{
```

```
            z=x+n;
```

```
        int r,sum=0,temp;
```

```

//int n=454; //It is the number variable to be checked for palindrome
temp=n;
while(n>0)
{
    r=n%10; //getting remainder
    sum=(sum*10)+r;
    n=n/10;

}

if(temp==sum)
    System.out.println("palindrome number ");
else
    System.out.println("not palindrome");
}

    }

    //      System.out.println("Hello World");
}

}

```