Write a menu driven program to accept a number and

1. Reverse and sum of individual digits.
2. To generate n Fibonacci number.

import java.io.\*;

public class RevFibo

{

public static void main(String[] args)throws IOException

{

int ch;

DataInputStream in = new DataInputStream(System.in);

do

{

System.out.println("\n\*\*\*\*\*MENU\*\*\*\*\*\n");

System.out.println("1.Reverse and Digit Sum.\n");

System.out.println("2.Fibonacci.\n");

System.out.println("3.Exit.\n");

System.out.println("\nEnter Your Choice..\n");

ch=Integer.parseInt(in.readLine());

switch(ch)

{

case 1 :int num, rev, rem, dsum;

rev=0;

dsum=0;

System.out.println("Enter The Number\n");

num=Integer.parseInt(in.readLine());

while(num>0)

{

rem=num%10;

rev=rev\*10+rem;

dsum=dsum+rem;

num=num/10;

}

System.out.println("Reverse of Number is:" +rev);

System.out.println("The Digit of Sum = " +dsum);

break;

case 2 :int n1,n2,n3,count;

n1=0;

n2=1;

System.out.println("Number of Elements in the series:");

count=Integer.parseInt(in.readLine());

if(count<=0)

System.out.println("Invalid Entry");

else if(count==1)

System.out.println("Fibonacci series is:" +n1);

else

{

System.out.print("Fibonacci series is :" + n1 +"\t"+ n2);

for(int i=2;i<count;i++)

{

n3=n1+n2;

System.out.print("\t" + n3);

n1=n2;

n2=n3;

}

}

break;

case 3 :return;

default:System.out.println("Please Enter valid Input");

}

}

while(ch>0&&ch<4);

}

}

OUTPUT:  
\*\*\*\*\*MENU\*\*\*\*\*

1.Reverse and Digit Sum.

2.Fibonacci.

3.Exit.

Enter Your Choice..

1

Enter The Number

123

Reverse of Number is:321

The Digit of Sum = 6

\*\*\*\*\*MENU\*\*\*\*\*

1.Reverse and Digit Sum.

2.Fibonacci.

3.Exit.

Enter Your Choice..

2

Number of Elements in the series:

10

Fibonacci series is: 0 1 1 2 3 5 8 13 21 34

\*\*\*\*\*MENU\*\*\*\*\*

1. Reverse and Digit Sum.

2. Fibonacci.

3. Exit.

Enter Your Choice..

3