Write a menu driven program to accept a number and a. Reverse and sum of individual digit, b. 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 & Digit sum\n");

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

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

System.out.println("Enter 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 a number is="+rev);

System.out.println("the digit sum="+dsum);

break;

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

n1=0;

n2=1;

System.out.println("number of element in the series=");

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

if(count<=0)

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

else if(count==1)

System.out.print("Fibonocci series is="+n1);

else

{

System.out.print("Fibonocci 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);

}

}