Ques 1

import java.util.Scanner;

public class reverse {

public static void main(String [] args)

{

System.out.println("Enter a number");

Scanner sc= new Scanner(System.in);

int x = sc.nextInt();

int rev=0;

while(x!=0)

{

int rem;

rem=x%10;

rev = rev\*10 +rem;

x=x/10;

}

System.out.println("reverse is " + rev);

}

}

Ques 2

package dvance;

import java.util.Scanner;

public class Reverse {

public static void main(String [] args)

{

System.out.println("Enter a number");

Scanner sc= new Scanner(System.in);

int x = sc.nextInt();

int rev=0;

int num = x;

while(x!=0)

{

int rem;

rem=x%10;

rev = rev\*10 +rem;

x=x/10;

}

System.out.println("reverse is " + rev);

if(rev==num)

System.out.println("Palindrome");

else

System.out.println("Not Palindrome");

}

}

Ques 3

package dvance;

import java.util.Scanner;

public class Armstrong {

public static void main(String[] args) {

System.out.println("Enter a number");

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int temp = num;

int arm=0;

while(num!=0)

{

int rem = num%10;

arm = arm+(rem\*rem\*rem);

num=num/10;

}

if(arm==temp)

System.out.println("Armstrong");

else

System.out.println("Not Armstrong");

}

}

Ques 4

package dvance;

import java.util.Scanner;

public class Check\_prime {

public static void main(String[] args) {

System.out.println("Enter a number");

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int temp = num;

int x=2;

boolean prime = true;

if(num==0 || num==1)

prime = false;

while(x<num)

{

if(num%x==0)

{prime =false;

break;

}

x++;

}

if(prime)

System.out.println("Prime");

else

System.out.println("Not prime");

}

}

Ques 5

package dvance;

import java.util.Scanner;

public class Factorial {

public static void main(String[] args) {

System.out.println("Enter a number");

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int fact =1;

while(num>=1)

{

fact\*=num;

num--;

}

System.out.println(fact);

}

}

Ques 6

package dvance;

import java.util.Scanner;

public class Fibo{

public static void main(String[] args) {

System.out.println("Enter a number");

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int a =0,b=1,c=0;

System.out.print(a+" "+ b+" ");

while(num-2>0)

{

c= a+b;

System.out.print(c+" ");

a=b;

b=c;

num--;

}

}

}

Ques 7

package dvance;

import java.util.Scanner;

public class Count{

public static void main(String[] args) {

System.out.println("Enter a number");

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int count =0;

while(num >0)

{

num=num/10;

count++;

}

System.out.println(count);

}

}

Ques 8

package dvance;

import java.util.Scanner;

public class Perfect {

public static void main(String[] args) {

System.out.println("Enter a number");

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int sum =0;

int i=1;

while(i<= num/2)

{

if(num%i==0)

{

sum+=i;

}

i++;

}

if(num==sum)

System.out.println("Perfect");

else

System.out.println("Not perfec");

}

}

Ques9

package dvance;

import java.util.Scanner;

public class Neon {

public static void main(String[] args) {

System.out.println("Enter a number");

Scanner sc = new Scanner(System.in);

int num = sc.nextInt();

int sq =num\*num;

int sum =0;

while(sq!=0)

{ int rem;

rem= sq%10;

sum+=rem;

sq=sq/10;

}

if(num==sum)

System.out.println("Neon");

else

System.out.println("Not Neon");

}

}