```
if (n-i == 0) {
  count++;
}
}
if (count == 2){
system.out.print ("prime");}
```

13. GCD and LCM

```
class GCD - LCM{
public static void main (String arg, []) {
  int a=1;
  int b=4;
  int temp;
while (b!=0){
  temp=b;
  b = a%b;
  a = temp;
  }
int ged = a;
int LCM = (a*b)/ gcd;
System.out.println ("GCD"+ged);
system.out.println("LCM"+Lcm))
}
}
```

04. Storing number:-

04. Reverse of a number:-

```
class Reverse_of_number{
public static void main (string args[]){
  int n=341;
  int rev=0;
  while(n>0){
    i=n%10;
    rev=rev*10+i;
    n=n/10;
  }
System.out.println("Reversed number is:"+rev);
}
}
```

output:143

05) Armstrong number:-

```
class armstrong{
public static void main (string args[]){
int n=153;
int temp=n;
while(n!=0){
  i=n%10;
if(sum==temp){
system.out.print("Armstrong");
```

```
}
System.out.print ("Not an Armstrong");
}
}
}
```

06) palindrome :-

```
class palindrome{
public static void main (String args []) {
int n = 12321;
int rev = 0;
while (n>0){
i = n%10;
rev = rev*10+i;
n = n/10;
}
if (rev==n){
System.out.print n ("palindrome");
}
else{
System.out.println ("nope");
}
}
```

07 - Sum of digits :-

```
class sum.of digits{
public static void main (String args []){
int n = 123;
```

```
if (sum==0){
System.out.println("perfect");
}
else{
System.out.println("Nope");
}
}
```

07) Sum of even-odd:-

```
class sum of even-odd{
public static void main (String args[]){
int n=10, esum=0, sum=0;
for(int i=1; i<n; i++){
if (i%2==0)
{
}
else{
esum+=i
}
System.out.println("esum:"+sum)
}
}
```

09) Leap year:-

```
class leap year{
public static void main (String args[]){
int year=2024;
if (year%4==0 || year%400==0
```

17) Divisible by 5 and 7 upto n:-

```
class Divisibity {
public static void main (String args [])
{
 int n=100;
 for (int i=1, i<=n; i++) {
  if (i%5==0 && i%7==0)
   System.out.println(i);
 }
}
}
```

output :-

35, 70

18) perfect number:-

```
class perfect {
public static void main (String args [])
{
 int sum=0;
 int n=28;
 int o=n;
for (i=1; i<n; i++) {
 if (n%i==0) {
  sum=sum+i;
}
}
```

else

system.out.print ("Not leap year");

}

}

Output:-

leap year:

Even or odd :-

class even-odd {

public static void main (String args []) {

int n=400;

if (n%2 == 0) {

system.out.print ("odd");

}

}

output:-

Even.

strong number:-

class strong number {

public static void main (String args []) {

int n=145;

int temp=n;

rem=n%10;

fact=1

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

fact = fact*i;

```
}
if (sum == temp){
System.out.print("strong");
}
```

Output:- strong

15. celcius to farenheat :-

```
class temperature2
public static void main (String args[]){
double celsius = 39.0
system.out.println (farenheat);
}
}
```

Output :-

102.2

16 farenheat to celcius:

```
class temperature2
public static void main (String args[]){
double farenheit = 102.2;
double celcius = (farenheat - 32) * 5/9
System.out.println (celcius);
}
}
```

output :-

39.0:

Binary to Decimal:-

```
class Binary-Decimal {
public static void main (String args[]
String binarystring = "1010";
int decimal = Integer.parseInt (binary string, 2);
System.out.print (decimal);
}
}
```

Output :-10

19. Decimal to Binary:-

```
class Decimal - Binary{
public static void main (String args[]){
  int decimal =10;
String binary = Integer.to Binary string (decimal
  System.out.print (binary);
  }
}
```

Output:-

1010.

20. Addition of 2 numbers:-

```
class Addition_of_2numbers

Public static void main (String args[])

    int a=20;
    int b=30;
    int c=a+b;
    System.out.println("sum is "+c);
}
```

Output:

Sum is 50.

ASSIGNMENT-1

JAVA PROGRAMMING

(20)

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10/09/2024

01. Sum of no. upto n:-

```
Impôit Java.util *;
clas sum{
public static void main (string args[]) {
scanner sc = new scanner .(system.in);
  int n= sc.nxtInt();
  int sum=0;
for (int i=1; i<=n; i++){
   sum = sum+i;
  }
system.out.println( "sum is:"+sum);
}
}
```

Input:- n=10

Output:- sum is 55

02. Prime number:-

```
Impôit Java.util.*;
 clans prime{
puttic static void main (string args[]) {
scanner sc = new scanner (system:in);
int count:0;
for (int i=1; i<n; i++){
```