while (start < end) }

System.out. printf (" 2d, "start);

Start +2 5;

System.out.printf ("o.d", end);

```
print ("How many numbers ): ");
int N= scnextInt();
int sum = 0;
float ang = 0;
print ("Input the 7d numbers:/n", N);
for (int i=1; i <= N; i++)}
    sum += semext Int();
 avg = (float) sym/(float) N;
print ("The sum of %d no is; 7 d N, sum);
 print ("The Average is: 7 fm, avg);
 int num = 0;
 int sqr = 0;
  while (true) }
       print ("Enter Number: ");
       num = sc. nextInt();
       if (num <0)
            break?
       sqr = (num + num);
       print ("%d ^ 2 = 7.8%, num, sqn);
```

```
print ("Enter number:")i
int num = sc. next Int();
print ("Divisors of od/n", num);
for (int ist; i < = num; i++) }
     if (num % i == 0)
       println(i);
 print ("Enter an integer:");
 int NasconextInt
int pos = 0;
int neg = 05
 int num = 0;
for (int i=1; i <= N; i++)}
    printf ("Enter number %d:", i);
    mum = sc next Int();
    if (num>=0)
       POS++ ;
    else if (num Lo)
       neg++ j
.print ("% d Non-negative Numbers , pos);
point (" % d Negative Numbers", nego
```

```
printf ("Enter number of terms!");
 n = se. nextInt(); // odd = (2n+1)
 int sum = 0;
println ("The odd numbers are: ");
for (int i= 0; i<n; i++) }
    int odd Num = (2*1+1);
   printf ("%d\n", odd Num);
   Sum += odd Num;
printf ("The sum of odd Notural Numbers up to %d terms
        is: %d", n, sum);
   int sum = 0;
  for (int i=0; i<10; i++) }
      printf ("Enter number: ");
      int n=sc.nex+Int();
      Sum += m;
      printf ("Sum = %d", Sum);
```

```
print ("Enter number!");
int n = sc. nextInt();
for (int i=1; i<=n; i++) }
     if (1 % 6 == 0 2 k 1 % 3 1 = 0) }
        println(i);
print ("Enter number:");
int on = sc. nexf Int();
int digit = 0;
ushile (true) {
    if ( m == 0)
          breaks
   else if (m!=0)}
        m/=10; //m=m/10
        digit++;
println ("Output: 7d \m", digit);
```

```
printf ("Enter number :");
int num = sc. next Int(); // 123456
String, numlergth = "+ num;
int [] digit = new int[numlength-length];
int 1=0;
while (true) {
      digit [i] = (num %10); //6
       1++5
      mum /= 10; / 12345
      if (num <=0)}
           break 3
  for (int j=digit.length -1); j>0; j--) {
     printf ("od,", digit (j]);
   printf (" od ", digit [0]);
```

```
printf ("Enter number:");
int num = se-nextInt();
int divisors = 0;
int isterfect = 0j
for (int i=1; i <= num; i++) }
     if (num % 1 ==0)
         divisors ++ i
for (int i= 2; i<num; i++) }
     if (num % | 220)
         is perfect += i;
if (divisors == 2)
  printf ("Prime");
else if (divisors) 2)
    printf ("Not Prime);
if (isPerfect == num)
    printf ("Perfect");
cke if (is perfect ; = num')
     printf ("Not Perfect");
```