```
# for loops
                                                Geekster
    Problem: - You are given marks of to students in
         the class, you have to paint their manks.
     scanner se= new scanner (systemin);
                  11 we one creating object of scanner.
    Glass
       int movik1 = sc. nextint();
      int marks2 =
          monks 10 = 11
      system. out-print In (marks1);
         (monker)
               - - - (mærike 10);
  for loop is a technique in programming which helps
us to sum sececute a piece of code again & again &
again & again
                                      loop syntace
                                       Defines how long
     loop syntax
                                      dres a loop sun,
                                      how does the loop
       SOUT ("Hello wanld");
                                      proceeds
```

we can only use loops if there is a pattern in

blem:

scanner
$$--$$

int $x=1$;

int $y=2$;

 $x=3$:

10:

1,2,3,4,5,6,7,8,9,10

1,3,5,7,5

Syntage - For loop

for (Initialization; condition check; operation) {

Iteration the number of time loop is summing

for (int i=i; i==10; i++) { SOUT (i);

This code will print Hello 10 times.

Hello Est !

iz1 Hello

2

U

LELY

II.

Hello

1=3

1=2

3

[42]

Est; Hello

Is ; Hello

C=9

J=10

tti > PreInc

A number is multiple of a if the number divides a completely, i.e., after divisor the remainder is 6.