

Loop Exercises

26/10/2015

#1) Check if n is a prime # or not?

— Java —

While Loop style:

Read n ;

int $i=2$;

$x = n \% i$;

while ($x \neq 0 \ \&\& \ i < n$)

{
 $i++$;

$x = n \% i$;

}

 if ($x == 0$)

 {
 print "x is not prime"

 }

For Loop Style: (for(init; cond; incr)

Read n ;

for ($i=2$; $x = n \% i$; $x \neq 0 \ \&\& \ i < n$)

{

$x = n \% i$;

$i++$;

}

Do while style:

Read n ;

int $i=2$;

do

{
 $x = n \% i$;

$i++$;

}

while ($x \neq 0 \ \&\& \ i < n$);

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System.out.print ("Prime");

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