

int

Variable

x-

Chosen nth pr

u x

if $n/2 == 0$
even

or

```
public static void main(String[] args) {  
    // TODO Auto-generated method stub  
    int n = 7;  
    // System.out.println(n);  
    ① { if (n > 5) {  
        System.out.println("Hello");  
    }  
    ② { if (n % 2 == 0) {  
        System.out.println("Even");  
    } else {  
        System.out.println("Odd");  
    }  
}
```

hello
odd
if
else if
or

for, while, do-while, for-each

int n = 7 int i = 1
while i >= n
std no
i++

int i = 2
i < n

if there is any i exist b/w
2 to n-1 which are

int i = 2
while (i < n) {

```
for (int i = 2; i < n; i++)  
{  
    }  
}
```

↑

int i++

```
public static void main(String[] args) {  
    // TODO Auto-generated method stub  
    int n = 6;  
    int c = 0;  
    for (int i = 2; i < n; i++) {  
        if (n % i == 0) {  
            c++;  
        }  
    }  
    if (c >= 1) {  
        System.out.println("Not Prime");  
    } else {  
        System.out.println("Prime");  
    }  
}
```

i = 2 n = 6 Rom
3 < 6 c = 2
6 % 3 = 0

7 % 11 = 0

7 % 3 = 1

7 (11)

7 % 11 = 7

-7 + 11 = 4

-7 % 11 = -7
-7 → -ve Rem
-7 → +ve Rem

-5 % 3 = -2
-2 + 3 = 1