

## FAQ 2007 Plan

① made each number by 10

For example :  $128 \% 10 \rightarrow 8$

$12 \% 10 \rightarrow 2$

$1 \% 10 \rightarrow 1$

② make a array and loop and check  
If the number is a SelfDivisor

### Solution

```
public static boolean isSelfDivisor(int  
number) {
```

```
    int n = number;
```

```
    while (n != 0) {
```

```
        int digit = n % 10;
```

```
        n = n / 10;
```

```
        if (digit == 0) {
```

```
            return false;
```

```
        }
```

```
    if (number % digit != 0) {
```

```
        return false;
```

return false;

}

return true

}

public static int[] firstNumSelfDivisors(int start, int num)

{

int[] arr = new int[num];

int storenum = 0;

for (int i = start; storenum < num; i++) {

if (isSelfDivisor(i)) {

arr[storenum] = i;

storenum++;

}

}

return arr;

}