

#Approach 1

#using loops

Code:

```
> myfunction <- function (input,n1,n2)
+ {
+   for (i in input)
+     if ((i %% n1 == 0) && (i %% n2 != 0))
+       result <- c (result,i)
+   return (result)
+ }

> a <- seq (1:1000)
> output <- myfunction (a,4,100)
> output
```

#Approach 2

#using vector method

Code:

```
myfunction <- function(c,n1,n2){
+   sol <- c %% n2 != 0
+   c <- c[sol]
+   sol <- c %% n1 == 0
+   c <- c[sol]
+   return (c)
+ }

> a <- seq (1:1000)
> result <- myfunction(a, 4, 100)
> print (result)
```

Outputs:

Approach 1

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Approach 2

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