# Week\_3 homework

#### 2022-09-28

# Euchie Jn Pierre

# Student ID: R10H44002

x<-2:100

prime\_nums <- c()

i<-2

done <- FALSE

**while**(i<100){

**if**(any(x == i)) {

x = c(x[(x %% i) != 0], i)

prime\_nums = c(prime\_nums, i)

}

**if**(i==100){

done<-TRUE

}

i<- i+1

}

prime\_nums

## [1] 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97