

STA523_HW0

```
FBfunc <- function(data){  
  y=data  
  for (i in 1:length(data)){  
    if (data[i] %% 3 == 0 & data[i] %% 5 == 0) y[i]="FizzBuzz"  
    else if (data[i] %% 3 == 0) y[i]="Fizz" else if (data[i] %% 5 == 0) y[i]="Buzz"  
    else y[i]=data[i]  
  }  
  return(y)  
}  
FBfunc <- Vectorize(FBfunc)  
x=c(1:100)  
cat(FBfunc(x),sep="\n")
```

```
## 1  
## 2  
## Fizz  
## 4  
## Buzz  
## Fizz  
## 7  
## 8  
## Fizz  
## Buzz  
## 11  
## Fizz  
## 13  
## 14  
## FizzBuzz  
## 16  
## 17  
## Fizz  
## 19  
## Buzz  
## Fizz  
## 22  
## 23  
## Fizz  
## Buzz  
## 26  
## Fizz  
## 28  
## 29  
## FizzBuzz  
## 31  
## 32  
## Fizz  
## 34  
## Buzz  
## Fizz  
## 37
```

```
## 38
## Fizz
## Buzz
## 41
## Fizz
## 43
## 44
## FizzBuzz
## 46
## 47
## Fizz
## 49
## Buzz
## Fizz
## 52
## 53
## Fizz
## Buzz
## 56
## Fizz
## 58
## 59
## FizzBuzz
## 61
## 62
## Fizz
## 64
## Buzz
## Fizz
## 67
## 68
## Fizz
## Buzz
## 71
## Fizz
## 73
## 74
## FizzBuzz
## 76
## 77
## Fizz
## 79
## Buzz
## Fizz
## 82
## 83
## Fizz
## Buzz
## 86
## Fizz
## 88
## 89
## FizzBuzz
## 91
```

```
## 92
## Fizz
## 94
## Buzz
## Fizz
## 97
## 98
## Fizz
## Buzz
```