```
average <- function(){
    a <- as.double(readline())
    b <- as.double(readline())
    c <- as.double(readline())
    y = (a+b+c)/3
    print(paste(y," is average of ",a," ",b," ",c))
}
average()</pre>
```

[1] "2 is average of 1 2 3"

120

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```
lcm = x*y/hcf
return(list(lcm,hcf))
}
hl(2,6)
```

6
 2

```
seq <- function(n){
    if(n==0){
        return(0);
    }
    return(seq(n-1)+n)
}
seq(5)</pre>
```

15

322

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```
In [54]: Si <- function(x){
        si = (x[1] * x[2] * x[3])/100
        return(si)
    }
    x <- readline()
    x <- strsplit(x," ")
    x <- as.integer(x[[1]])
    Si(x)</pre>
```

0.24

110100

```
fact = 1
factorial <- function(n){
    if(n==0) return(1)
        return(factorial(n-1)*n)
}
factorial(5)</pre>
```

120

385

[1] 15 [1] 3 [1] 1.58

Questions

```
In [56]:
           cumsum(c(1:5))
             1. 1
             2. 3
             3. 6
             4. 10
             5. 15
In [58]:
            rev(c(1:10))
             1. 10
             2. 9
             3.8
             4. 7
             5. 6
             6. 5
             7. 4
             8. 3
             9. 2
            10.1
```

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```
In [59]:
           rev(cumsum(c(1:10)))
             1. 55
             2. 45
             3. 36
             4. 28
             5. 21
             6. 15
             7. 10
             8. 6
             9. 3
            10. 1
In [62]:
           sample(1:100,10)
             1. 55
             2. 33
             3. 63
             4. 66
             5. 7
             6. 88
             7. 95
             8. 58
             9. 53
           10.86
In [63]:
           log10(sqrt(100))
 In [ ]:
```

4_assignment

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