Question 1

Assign and print the values 23.4, 45 and 678 to the variables `A, B, C`

```
A <- 23.4
B <- 45
C <- 678

cat(A, B, C)
```

Output

```
23.4 45 678
```

Question 2

Display the entire variables you have created on the screen

```
ls()
```

Output

```
[1] "A" "B" "C"
```

Question 3

Remove the variable `C` and display the list.

```
rm(C)
ls()
```

Output

```
[1] "A" "B"
```

Question 4

Create a comment “I am learning R”

```
# I am learning R
```

Question 5

Create strings firstname and lastname as “MyName” and “MySurname”

```
firstname <- "MyName"
lastname <- "MySurname"
```

Question 6

Create the variable that can hold a value `0` or `1`

Question 7

Perform the operation as +, -, * and / on variables `A, B, C` together.

```r
C <- 678 # since it was deleted earlier
cat(A+B-C, "\n")
cat(A*B/C)
```

Output

```
-609.6
1.553097
```

Question 8

Apply the following functions on some values `exp()`, `log()`, `log10()`, `log2()`, `pi`, `sqrt()`.

```r
cat(exp(5), "\n")
cat(log(A), "\n")
cat(log10(B), "\n")
cat(log2(C), "\n")
cat(pi, "\n")
cat(sqrt(25))
```

Output

```
148.4132
3.152736
1.653213
9.405141
3.141593
5
```

Question 9

Write the statements to solve the following expressions:

1. $23 + \frac{4.5*2.3}{10}$
2. $\frac{456}{12} - \log(90)$
3. $\exp(5) + \frac{12}{5^6}$
4. $\sqrt{45}*\frac{12}{3}$

```r
cat(23 + (4.5 * 2.3) / 10, "\n")
cat(456/12 - log(90), "\n")
cat(exp(5) + 12/(5^6), "\n")
cat(sqrt(45)*12/3, "\n")
```

Output

```
24.035
33.50019
148.4139
26.83282
```