Q1. Write a R program to add, multiply and divide two vectors of integer type. (vector length should be minimum 4).

Program:-

v1 <-c(3,8,4,5,0,11)

v2 <-c(4,11,0,8,1,2)

#vector addition

add.result<-(v1+v2)

print(add.result)

#vector subtraction

sub.result<-(v1-v2)

print(sub.result)

#vector multiplication

mult.result<-(v1\*v2)

print(mult.result)

#vector division

divi.result<-(v1/v2)

print(divi.result)

output:-

> v1 <-c(3,8,4,5,0,11)

> v2 <-c(4,11,0,8,1,2)

> #vector addition

> add.result<-(v1+v2)

> print(add.result)

[1] 7 19 4 13 1 13

> #vector subtraction

> sub.result<-(v1-v2)

> print(sub.result)

[1] -1 -3 4 -3 -1 9

> #vector multiplication

> mult.result<-(v1\*v2)

> print(mult.result)

[1] 12 88 0 40 0 22

> #vector division

> divi.result<-(v1/v2)

> print(divi.result)

[1] 0.7500000 0.7272727