1. Create a numerical vector to store the odd numbers between 1 to 100

2. Create the numerical vector with following values

1,2,3,4,5,8,6,2,11

 Create 3x3 matrix from the vector

3. Consider the following vector a<-c(NA,11:15,NA,NA) remove all the NA and find the mean of the vector

4. Consider the vector x=c(”apple”,”banana”,”grape”)

Replace the first occurrence of a with ‘$’

1)

> x1<- seq(1,100,by =2)

> x1

[1] 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53

[28] 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99

2)

> x2<- c(1,2,3,4,5,8,6,2,11)

> m2<- matrix(x2,3,3)

> m2

[,1] [,2] [,3]

[1,] 1 4 6

[2,] 2 5 2

[3,] 3 8 11

3)

Approach 1

> a<-c(NA,11:15,NA,NA)

> a<-c(NA,11:15,NA,NA)

> mean(a,na.rm=TRUE)

[1] 13

Approach 2

> a<-c(NA,11:15,NA,NA)

> a<-a[!is.na(a)]

> mean(a)

[1] 13

4)

> x=c("apple","banana","grape")

> sub("a","$",x)

[1] "$pple" "b$nana" "gr$pe"