Compare 2 Data Frames in R

Let's create the new data frames:

```
library(waldo)
df1<-data.frame(X=c(1,2,3), Y=c("a","b","c"), A=c(3,4,5))
df2<-data.frame(X=c(1,2,3,4), Y=c("A","b","c","d"),
Z=c("k","1","m","n"), A=c("3","4","5","6"))
The df1:
 ХУА
1 1 a 3
2 2 b 4
3 3 c 5
And the df2:
 XYZA
1 1 A k 3
2 2 b 1 4
3 3 c m 5
4 4 d n 6
Let's compare them:
waldo::compare(df1,df2)
And we get:
      > waldo::compare(df1,df2)
      `old` is length 3
      'new' is length 4
      `names(old)`: "X" "Y" "A" 
`names(new)`: "X" "Y" "Z" "A"
      `attr(old, 'row.names')`: 1 2 3 
`attr(new, 'row.names')`: 1 2 3 4
      `old$x`: 1 2 3
      `new$x`: 1 2 3 4
      `old$Y`: "a" "b" "c"
      `new$Y`: "A" "b" "c" "d"
      `old$A` is a double vector (3, 4, 5)
`new$A` is a character vector ('3', '4', '5', '6')
      `old$Z` is absent
      `new$Z` is a character vector ('k', 'l', 'm', 'n')
```

As we can see it captures all the differences and the output is in a friendly format of different colors depending on the difference. More particularly, it captures that:

- The df1 has 3 rows where df2 has 2
- The df2 has an extra column name and it shows where is the difference in the order.
- It shows the rows names and the differences
- It compares each column, X, Y, A, Z
- It detected the difference in the data type of column A where in the first is double and in the second is character
- It returns that there is a new column called Z.