Bollywood.R

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```r
bollywood <- read.csv("bollywood.csv")

# Access the last 10 movies (from bottom of bollywood dataframe).
# Find out the total number of missing values (NA) in the bollywood dataframe.
# Write the command to find out which movie tops the list in terms of Total Collections
# Write the command to find out which movie comes second on the list in terms of Total Collections
# Find out the movies shot by Shahrukh, Akshay & Amitabh separately.
# What is the total collection of Shahrukh, Akshay & Amitabh movies individually?
#     Write command/s to find out how many movies are in flop,average, Hit & Superhit categories in entire bollywood datase
t.
# Write command/s to display the movies which have Tcollection more than 100.
# Find mean of Ocollection, Wcollection, Fwcollecion & Tcollection.
# Find maximum value of Ocollection, Wcollection, Fwcollecion & Tcollection.
# Write command to find name of movies which have maximum Ocollection, Wcollection, Fwcollecion & Tcollection.


print("DATASET")
```

```
## [1] "DATASET"
```

```r
#View(bollywood) opens the file in the new tab
print(bollywood)
```

```
##                          Movie         Lead    Rdate Ocollection
## 1                        Dangal        Aamir 23-Dec-16       29.78
## 2                  Wajah Tum Ho      Sharman 16-Dec-16        2.86
## 3                       Befikre      Ranveer 09-Dec-16       10.36
## 4                     Kahaani 2        Vidya 02-Dec-16        4.25
## 5                  Dear Zindagi     Shahrukh 25-Nov-16        8.75
## 6                       Force 2         John 18-Nov-16        6.05
## 7                      Rock On 2       Farhan 11-Nov-16        2.02
## 8             Ae Dil Hai Mushkil      Ranbeer 28-Oct-16       13.30
## 9                       Shivaay         Ajay 28-Oct-16       10.24
## 10                       Mirzya Harshvardhan 07-Oct-16        2.20
## 11 M. S. Dhoni - The Untold Story      Sushant 30-Sep-16       21.30
## 12                      Parched   Tannishtha 23-Sep-16        0.12
## 13                        Banjo      Riteish 23-Sep-16        1.72
## 14                  Raaz Reboot       Emraan 16-Sep-16        6.30
## 15                         Pink      Amitabh 16-Sep-16        4.32
## 16               Baar Baar Dekho      Katrina 09-Sep-16        6.81
## 17                   Freaky Ali   Nawazuddin 09-Sep-16        2.55
## 18                        Akira     Sonakshi 02-Sep-16        5.15
## 19                A Flying Jatt        Tiger 25-Aug-16        7.10
## 20            Happy Bhag Jayegi        Abhay 19-Aug-16        2.32
## 21                       Rustom       Akshay 12-Aug-16       14.11
## 22                 Mohenjo Daro      Hrithik 12-Aug-16        8.87
## 23                      Dishoom         John 29-Jul-16       11.05
## 24                      Madaari       Irrfan 22-Jul-16        2.25
## 25            Great Grand Masti      Riteish 15-Jul-16        2.50
## 26                       Sultan       Salman 06-Jul-16       36.54
## 27              Raman Raghav 2.0   Nawazuddin 24-Jun-16        1.10
## 28                  Udta Punjab       Shahid 17-Jun-16       10.05
## 29                       Dhanak        Hetal 17-Jun-16        0.29
## 30            Do Lafzon Ki Kahani      Randeep 10-Jun-16        1.03
## 31                         TE3N      Amitabh 10-Jun-16        2.61
## 32                   Housefull 3       Akshay 03-Jun-16       15.21
## 33                    Veerappan      Sandeep 27-May-16        1.79
## 34                       Phobia      Radhika 27-May-16        0.25
## 35                      Waiting  Naseeruddin 27-May-16        0.27
## 36                      Sarbjit    Aishwarya 20-May-16        3.69
## 37                        Azhar       Emraan 13-May-16        6.30
## 38               One Night Stand        Sunny 06-May-16        0.60
## 39                   1920 London      Sharman 06-May-16        2.50
```

```
## 40                          Traffic         Manoj 06-May-16          0.40
## 41                          Baaghi          Tiger 29-Apr-16         11.94
## 42                             Fan        Shahrukh 15-Apr-16        19.20
## 43                      Love Games      Patralekha 08-Apr-16         1.03
## 44                          Ki & Ka          Arjun 01-Apr-16         7.30
## 45                  Rocky Handsome           John 25-Mar-16          5.39
## 46                  Kapoor & Sons        Siddarth 18-Mar-16          6.85
## 47                  Teraa Surroor          Himesh 11-Mar-16          1.79
## 48                  Jai Gangaajal        Priyanka 04-Mar-16          5.50
## 49                         Aligarh          Manoj 26-Feb-16          0.31
## 50  Tere Bin Laden Dead Or Alive          Manish 26-Feb-16          0.54
## 51                      LoveShhuda          Girish 19-Feb-16          0.64
## 52                          Neerja           Sonam 19-Feb-16          4.70
## 53                          Fitoor         Katrina 12-Feb-16          3.61
## 54                         Sanam Re          Pulkit 12-Feb-16          5.04
## 55                 Sanam Teri Kasam          Mawra 05-Feb-16          1.25
## 56                Ghayal Once Again     SunnyDeol 05-Feb-16          7.20
## 57                    Saala Khadoos      Madhavan 29-Jan-16          2.19
## 58                       Mastizaade          Sunny 29-Jan-16          5.59
## 59                         Airlift          Akshay 22-Jan-16         12.35
## 60             Kyaa Kool Hain Hum 3       Tusshar 22-Jan-16          8.15
## 61                           Wazir        Amitabh 08-Jan-16          5.61
##       Wcollection Fwcollection Tcollection    Verdict
## 1          106.95        197.53       386.68 Super Hit
## 2            7.79         10.29        10.29      Flop
## 3           34.36         48.75        59.30   Average
## 4           16.97         24.26        30.56   Average
## 5           32.50         47.00        64.44       Hit
## 6           20.05         30.15        30.15   Average
## 7            7.01         10.01        10.01      Flop
## 8           35.60         80.19       112.14       Hit
## 9           28.56         70.41       100.05       Hit
## 10           6.50            NA         6.50      Flop
## 11          66.00         94.13       132.85 Super Hit
## 12           0.62            NA         0.62      Flop
## 13           5.92          8.67         8.67      Flop
## 14          18.09         26.73        26.73      Flop
## 15          21.51         35.91        61.83 Super Hit
## 16          21.16         29.40        29.40      Flop
## 17           8.50         13.50        13.50      Flop
## 18          16.65         26.39        26.39      Flop
```

```
## 19       29.45      36.85      36.85      Flop
## 20       10.71      17.65      28.02   Average
## 21       50.42      90.90     127.13 Super Hit
## 22       30.54      51.18      57.42      Flop
## 23       37.32      53.34      67.97   Average
## 24        9.75      14.00      16.80      Flop
## 25        8.20      13.14      13.14      Flop
## 26      180.36     229.16     300.45 Super Hit
## 27        3.98       6.01       6.95      Flop
## 28       33.80      48.50      60.27       Hit
## 29        1.89         NA       1.89      Flop
## 30        3.74       5.54       5.54      Flop
## 31       11.13      16.34      19.06      Flop
## 32       53.31      80.10     109.04       Hit
## 33        5.95       7.45       7.50      Flop
## 34        1.24       2.34       2.52   Average
## 35        1.30       2.05       2.85      Flop
## 36       13.96      22.09      27.38   Average
## 37       20.80      29.70      33.03   Average
## 38        1.96       2.96       3.05      Flop
## 39        7.73      12.45      15.45      Flop
## 40        1.98       3.15       3.75      Flop
## 41       38.58      59.72      76.34       Hit
## 42       52.35      71.50      84.10   Average
## 43        3.06       3.94       4.04      Flop
## 44       25.23      37.57      52.31   Average
## 45       16.12      22.85      25.15      Flop
## 46       26.35      46.93      73.29       Hit
## 47        6.46      11.38      14.15   Average
## 48       17.70      25.20      32.63   Average
## 49        1.29       2.09       2.50      Flop
## 50        1.76       2.86       2.93      Flop
## 51        2.17       2.98       3.07      Flop
## 52       22.01      35.32      75.61 Super Hit
## 53       14.11      18.61      19.28      Flop
## 54       17.05      25.82      27.74   Average
## 55        4.66       8.66       9.11      Flop
## 56       23.25      33.25      35.70   Average
## 57        9.93      12.63      14.79      Flop
## 58       18.45      28.74      36.44   Average
## 59       44.30      83.50     128.10 Super Hit
```

```
## 60       20.15       29.65       30.25    Average
## 61       21.01       30.05       41.02    Average
```

```
print("Type of dataset")
```

```
## [1] "Type of dataset"
```

```
print(class(bollywood))
```

```
## [1] "data.frame"
```

```
print(mode(bollywood))
```

```
## [1] "list"
```

```
print(typeof(bollywood))
```

```
## [1] "list"
```

```
print("Internal Data Structure Of Dataset(str)")
```

```
## [1] "Internal Data Structure Of Dataset(str)"
```

```
print(str(bollywood))
```

```
## 'data.frame':    61 obs. of  8 variables:
##  $ Movie       : chr  "Dangal" "Wajah Tum Ho" "Befikre" "Kahaani 2" ...
##  $ Lead        : chr  "Aamir" "Sharman" "Ranveer" "Vidya" ...
##  $ Rdate       : chr  "23-Dec-16" "16-Dec-16" "09-Dec-16" "02-Dec-16" ...
##  $ Ocollection : num  29.78 2.86 10.36 4.25 8.75 ...
##  $ Wcollection : num  106.95 7.79 34.36 16.97 32.5 ...
##  $ Fwcollection: num  197.5 10.3 48.8 24.3 47 ...
##  $ Tcollection : num  386.7 10.3 59.3 30.6 64.4 ...
##  $ Verdict     : chr  "Super Hit" "Flop" "Average" "Average" ...
## NULL
```

```
print("Last 10 movies (from bottom of bollywood dataframe) using column.")
```

```
## [1] "Last 10 movies (from bottom of bollywood dataframe) using column."
```

```
print(tail(bollywood,10))
```

```
##                     Movie        Lead      Rdate Ocollection Wcollection
## 52                 Neerja       Sonam 19-Feb-16        4.70       22.01
## 53                 Fitoor     Katrina 12-Feb-16        3.61       14.11
## 54               Sanam Re      Pulkit 12-Feb-16        5.04       17.05
## 55        Sanam Teri Kasam      Mawra 05-Feb-16        1.25        4.66
## 56       Ghayal Once Again  SunnyDeol 05-Feb-16        7.20       23.25
## 57          Saala Khadoos   Madhavan 29-Jan-16        2.19        9.93
## 58              Mastizaade      Sunny 29-Jan-16        5.59       18.45
## 59                Airlift      Akshay 22-Jan-16       12.35       44.30
## 60   Kyaa Kool Hain Hum 3    Tusshar 22-Jan-16        8.15       20.15
## 61                  Wazir    Amitabh 08-Jan-16        5.61       21.01
##      Fwcollection Tcollection   Verdict
## 52          35.32       75.61 Super Hit
## 53          18.61       19.28      Flop
## 54          25.82       27.74   Average
## 55           8.66        9.11      Flop
## 56          33.25       35.70   Average
## 57          12.63       14.79      Flop
## 58          28.74       36.44   Average
## 59          83.50      128.10 Super Hit
## 60          29.65       30.25   Average
## 61          30.05       41.02   Average
```

```
print("Total number of missing values (NA) in the bollywood dataframe.")
```

```
## [1] "Total number of missing values (NA) in the bollywood dataframe."
```

```
print(sum(is.na(bollywood)))
```

```
## [1] 3
```

```
#edit(bollywood) used to edit the invoking file

attach(bollywood)
print("Last 10 column")
```

```
## [1] "Last 10 column"
```

```
print(tail(bollywood['Movie'],10))
```

```
##                 Movie
## 52             Neerja
## 53             Fitoor
## 54           Sanam Re
## 55   Sanam Teri Kasam
## 56   Ghayal Once Again
## 57       Saala Khadoos
## 58          Mastizaade
## 59             Airlift
## 60 Kyaa Kool Hain Hum 3
## 61              Wazir
```

```
print("Second method")
```

```
## [1] "Second method"
```

```
n=nrow(bollywood)
print(n)
```

```
## [1] 61
```

```
m=bollywood$Movie[(n-9):n]
print(m)
```

```
##  [1] "Neerja"             "Fitoor"             "Sanam Re"
##  [4] "Sanam Teri Kasam"   "Ghayal Once Again"  "Saala Khadoos"
##  [7] "Mastizaade"         "Airlift"            "Kyaa Kool Hain Hum 3"
## [10] "Wazir"
```

```
print("Movie tops the list in terms of Total Collections")
```

```
## [1] "Movie tops the list in terms of Total Collections"
```

```
#print(max(Tcollection))
#w=which.max(bollywood$Tcollectionn)
#print(bollywood[w,])
print(bollywood[which.max(bollywood$Tcollection),])
```

```
##     Movie  Lead    Rdate Ocollection Wcollection Fwcollection Tcollection
## 1 Dangal Aamir 23-Dec-16       29.78      106.95       197.53      386.68
##      Verdict
## 1 Super Hit
```

```
print("Movie comes second on the list in terms of Total Collections")
```

```
## [1] "Movie comes second on the list in terms of Total Collections"
```

```
mt=max(bollywood$Tcollection)
mi=which(bollywood$Tcollection==mt)
mt2=max(bollywood$Tcollection[-mi])
print(bollywood[which(bollywood$Tcollection==mt2),])
```

```
##      Movie   Lead    Rdate Ocollection Wcollection Fwcollection Tcollection
## 26 Sultan Salman 06-Jul-16       36.54      180.36       229.16      300.45
##       Verdict
## 26 Super Hit
```

```
print("Movies shot by Shahrukh")
```

```
## [1] "Movies shot by Shahrukh"
```

```
print(Movie[bollywood['Lead']=='Shahrukh'])
```

```
## [1] "Dear Zindagi" "Fan"
```

```
print("Movies shot by Akshay")
```

```
## [1] "Movies shot by Akshay"
```

```
print(Movie[bollywood['Lead']=='Akshay'])
```

```
## [1] "Rustom"      "Housefull 3" "Airlift"
```

```
print("Movies shot by Amitabh")
```

```
## [1] "Movies shot by Amitabh"
```

```
print(Movie[bollywood['Lead']=='Amitabh'])
```

```
## [1] "Pink"  "TE3N"  "Wazir"
```

```
#subset(bollywood, Lead == "Shahrukh")
#subset(bollywood, Lead == "Akshay")
#subset(bollywood, Lead  == "Amitabh")

print("Total collection of Shahrukh")
```

```
## [1] "Total collection of Shahrukh"
```

```
print(sum(Tcollection[bollywood['Lead']=='Shahrukh']))
```

```
## [1] 148.54
```

```
print("Total collection of Akshay")
```

```
## [1] "Total collection of Akshay"
```

```
print(sum(Tcollection[bollywood['Lead']=='Akshay']))
```

```
## [1] 364.27
```

```
print("Total collection of Amitabh")
```

```
## [1] "Total collection of Amitabh"
```

```
print(sum(Tcollection[bollywood['Lead']=='Amitabh']))
```

```
## [1] 121.91
```

```
#sum(shahrukh$Tcollection)
#sum(akshay$Tcollection)
#sum(amitabh$Tcollection)

print("Movies in Flop category")
```

```
## [1] "Movies in Flop category"
```

```
print(subset(bollywood, Verdict == "Flop"))
```

```
##                      Movie        Lead    Rdate Ocollection Wcollection
## 2               Wajah Tum Ho     Sharman 16-Dec-16        2.86        7.79
## 7                  Rock On 2      Farhan 11-Nov-16        2.02        7.01
## 10                   Mirzya Harshvardhan 07-Oct-16        2.20        6.50
## 12                  Parched  Tannishtha 23-Sep-16        0.12        0.62
## 13                    Banjo     Riteish 23-Sep-16        1.72        5.92
## 14              Raaz Reboot      Emraan 16-Sep-16        6.30       18.09
## 16           Baar Baar Dekho     Katrina 09-Sep-16        6.81       21.16
## 17               Freaky Ali  Nawazuddin 09-Sep-16        2.55        8.50
## 18                    Akira    Sonakshi 02-Sep-16        5.15       16.65
## 19            A Flying Jatt       Tiger 25-Aug-16        7.10       29.45
## 22             Mohenjo Daro     Hrithik 12-Aug-16        8.87       30.54
## 24                  Madaari      Irrfan 22-Jul-16        2.25        9.75
## 25         Great Grand Masti     Riteish 15-Jul-16        2.50        8.20
## 27           Raman Raghav 2.0  Nawazuddin 24-Jun-16        1.10        3.98
## 29                   Dhanak       Hetal 17-Jun-16        0.29        1.89
## 30        Do Lafzon Ki Kahani     Randeep 10-Jun-16        1.03        3.74
## 31                     TE3N     Amitabh 10-Jun-16        2.61       11.13
## 33                Veerappan     Sandeep 27-May-16        1.79        5.95
## 35                  Waiting Naseeruddin 27-May-16        0.27        1.30
## 38           One Night Stand       Sunny 06-May-16        0.60        1.96
## 39              1920 London     Sharman 06-May-16        2.50        7.73
## 40                  Traffic       Manoj 06-May-16        0.40        1.98
## 43               Love Games  Patralekha 08-Apr-16        1.03        3.06
## 45            Rocky Handsome        John 25-Mar-16        5.39       16.12
## 49                  Aligarh       Manoj 26-Feb-16        0.31        1.29
## 50 Tere Bin Laden Dead Or Alive     Manish 26-Feb-16        0.54        1.76
## 51                LoveShhuda      Girish 19-Feb-16        0.64        2.17
## 53                   Fitoor     Katrina 12-Feb-16        3.61       14.11
## 55          Sanam Teri Kasam       Mawra 05-Feb-16        1.25        4.66
## 57            Saala Khadoos    Madhavan 29-Jan-16        2.19        9.93
##    Fwcollection Tcollection Verdict
## 2        10.29       10.29    Flop
## 7        10.01       10.01    Flop
## 10          NA        6.50    Flop
## 12          NA        0.62    Flop
## 13        8.67        8.67    Flop
## 14       26.73       26.73    Flop
## 16       29.40       29.40    Flop
## 17       13.50       13.50    Flop
```

```
## 18         26.39       26.39     Flop
## 19         36.85       36.85     Flop
## 22         51.18       57.42     Flop
## 24         14.00       16.80     Flop
## 25         13.14       13.14     Flop
## 27          6.01        6.95     Flop
## 29            NA        1.89     Flop
## 30          5.54        5.54     Flop
## 31         16.34       19.06     Flop
## 33          7.45        7.50     Flop
## 35          2.05        2.85     Flop
## 38          2.96        3.05     Flop
## 39         12.45       15.45     Flop
## 40          3.15        3.75     Flop
## 43          3.94        4.04     Flop
## 45         22.85       25.15     Flop
## 49          2.09        2.50     Flop
## 50          2.86        2.93     Flop
## 51          2.98        3.07     Flop
## 53         18.61       19.28     Flop
## 55          8.66        9.11     Flop
## 57         12.63       14.79     Flop
```

```
print("Movies in Average category")
```

```
## [1] "Movies in Average category"
```

```
print(subset(bollywood, Verdict == "Average"))
```

```
##                     Movie       Lead     Rdate Ocollection Wcollection
## 3                 Befikre     Ranveer 09-Dec-16       10.36       34.36
## 4               Kahaani 2       Vidya 02-Dec-16        4.25       16.97
## 6                 Force 2        John 18-Nov-16        6.05       20.05
## 20       Happy Bhag Jayegi      Abhay 19-Aug-16        2.32       10.71
## 23                Dishoom        John 29-Jul-16       11.05       37.32
## 34                 Phobia     Radhika 27-May-16        0.25        1.24
## 36                Sarbjit   Aishwarya 20-May-16        3.69       13.96
## 37                  Azhar      Emraan 13-May-16        6.30       20.80
## 42                    Fan    Shahrukh 15-Apr-16       19.20       52.35
## 44                Ki & Ka       Arjun 01-Apr-16        7.30       25.23
## 47          Teraa Surroor      Himesh 11-Mar-16        1.79        6.46
## 48          Jai Gangaajal    Priyanka 04-Mar-16        5.50       17.70
## 54                Sanam Re     Pulkit 12-Feb-16        5.04       17.05
## 56       Ghayal Once Again  SunnyDeol 05-Feb-16        7.20       23.25
## 58              Mastizaade       Sunny 29-Jan-16        5.59       18.45
## 60 Kyaa Kool Hain Hum 3     Tusshar 22-Jan-16        8.15       20.15
## 61                  Wazir     Amitabh 08-Jan-16        5.61       21.01
##     Fwcollection Tcollection Verdict
## 3          48.75       59.30 Average
## 4          24.26       30.56 Average
## 6          30.15       30.15 Average
## 20         17.65       28.02 Average
## 23         53.34       67.97 Average
## 34          2.34        2.52 Average
## 36         22.09       27.38 Average
## 37         29.70       33.03 Average
## 42         71.50       84.10 Average
## 44         37.57       52.31 Average
## 47         11.38       14.15 Average
## 48         25.20       32.63 Average
## 54         25.82       27.74 Average
## 56         33.25       35.70 Average
## 58         28.74       36.44 Average
## 60         29.65       30.25 Average
## 61         30.05       41.02 Average
```

```
print("Movies in Hit category")
```

```
## [1] "Movies in Hit category"
```

```
print(subset(bollywood, Verdict == "Hit"))
```

```
##                    Movie      Lead     Rdate Ocollection Wcollection Fwcollection
## 5          Dear Zindagi Shahrukh 25-Nov-16        8.75       32.50        47.00
## 8  Ae Dil Hai Mushkil  Ranbeer 28-Oct-16       13.30       35.60        80.19
## 9               Shivaay     Ajay 28-Oct-16       10.24       28.56        70.41
## 28          Udta Punjab   Shahid 17-Jun-16       10.05       33.80        48.50
## 32          Housefull 3   Akshay 03-Jun-16       15.21       53.31        80.10
## 41               Baaghi    Tiger 29-Apr-16       11.94       38.58        59.72
## 46       Kapoor & Sons Siddarth 18-Mar-16        6.85       26.35        46.93
##     Tcollection Verdict
## 5         64.44     Hit
## 8        112.14     Hit
## 9        100.05     Hit
## 28        60.27     Hit
## 32       109.04     Hit
## 41        76.34     Hit
## 46        73.29     Hit
```

```
print("Movies in Superhit category")
```

```
## [1] "Movies in Superhit category"
```

```
print(subset(bollywood, Verdict == "Super Hit"))
```

```
##                              Movie     Lead     Rdate Ocollection Wcollection
## 1                            Dangal    Aamir 23-Dec-16       29.78      106.95
## 11 M. S. Dhoni - The Untold Story Sushant 30-Sep-16       21.30       66.00
## 15                             Pink  Amitabh 16-Sep-16        4.32       21.51
## 21                           Rustom   Akshay 12-Aug-16       14.11       50.42
## 26                           Sultan   Salman 06-Jul-16       36.54      180.36
## 52                           Neerja    Sonam 19-Feb-16        4.70       22.01
## 59                          Airlift   Akshay 22-Jan-16       12.35       44.30
##    Fwcollection Tcollection   Verdict
## 1        197.53      386.68 Super Hit
## 11        94.13      132.85 Super Hit
## 15        35.91       61.83 Super Hit
## 21        90.90      127.13 Super Hit
## 26       229.16      300.45 Super Hit
## 52        35.32       75.61 Super Hit
## 59        83.50      128.10 Super Hit
```

```
print("Movies which have Tcollection more than 100")
```

```
## [1] "Movies which have Tcollection more than 100"
```

```
print(subset(bollywood, Tcollection >100))
```

```
##                        Movie      Lead     Rdate Ocollection Wcollection
## 1                     Dangal    Aamir 23-Dec-16       29.78      106.95
## 8           Ae Dil Hai Mushkil Ranbeer 28-Oct-16       13.30       35.60
## 9                    Shivaay     Ajay 28-Oct-16       10.24       28.56
## 11 M. S. Dhoni - The Untold Story Sushant 30-Sep-16       21.30       66.00
## 21                    Rustom   Akshay 12-Aug-16       14.11       50.42
## 26                    Sultan   Salman 06-Jul-16       36.54      180.36
## 32               Housefull 3   Akshay 03-Jun-16       15.21       53.31
## 59                   Airlift   Akshay 22-Jan-16       12.35       44.30
##    Fwcollection Tcollection   Verdict
## 1        197.53      386.68 Super Hit
## 8         80.19      112.14       Hit
## 9         70.41      100.05       Hit
## 11        94.13      132.85 Super Hit
## 21        90.90      127.13 Super Hit
## 26       229.16      300.45 Super Hit
## 32        80.10      109.04       Hit
## 59        83.50      128.10 Super Hit
```

```
print("Mean of Ocollection, Wcollection, Fwcollecion & Tcollection")
```

```
## [1] "Mean of Ocollection, Wcollection, Fwcollecion & Tcollection"
```

```
print(sapply(bollywood[4:7],mean,na.rm=TRUE))
```

```
##  Ocollection  Wcollection Fwcollection  Tcollection
##     6.312951    22.299180    36.059828    46.634754
```

```
print("Max of Ocollection, Wcollection, Fwcollecion & Tcollection")
```

```
## [1] "Max of Ocollection, Wcollection, Fwcollecion & Tcollection"
```

```
print(sapply(bollywood[4:7],max,na.rm=TRUE))
```

```
##   Ocollection  Wcollection Fwcollection  Tcollection
##       36.54       180.36       229.16       386.68
```

```
print("Name of movies which have maximum Ocollection, Wcollection, Fwcollecion & Tcollection")
```

```
## [1] "Name of movies which have maximum Ocollection, Wcollection, Fwcollecion & Tcollection"
```

```
print(bollywood[which.max(bollywood$Tcollection),"Movie"])
```

```
## [1] "Dangal"
```

```
print(bollywood[which.max(bollywood$Ocollection),"Movie"])
```

```
## [1] "Sultan"
```

```
print(bollywood[which.max(bollywood$Fwcollection),"Movie"])
```

```
## [1] "Sultan"
```

```
print(bollywood[which.max(bollywood$Wcollection),"Movie"])
```

```
## [1] "Sultan"
```