Rogram

brancher & c ("Bi", "Ba", "B3", "B4", "B5", "B6"); brancher

years & c ("2018", "2017"); years

values <- materix (c (56,86,121,87,113,88,87,95,106,99,105,

values <- materix (c (56,86,121,87,113,88,87,95,106); values

88) byrow = TRUE | Drow = 2); values

barglot (values, mais = "sales of book", names arg = tranches, alab = "branches", ylab = "sales", we = ("blue", "red")

bulde = TRUE)

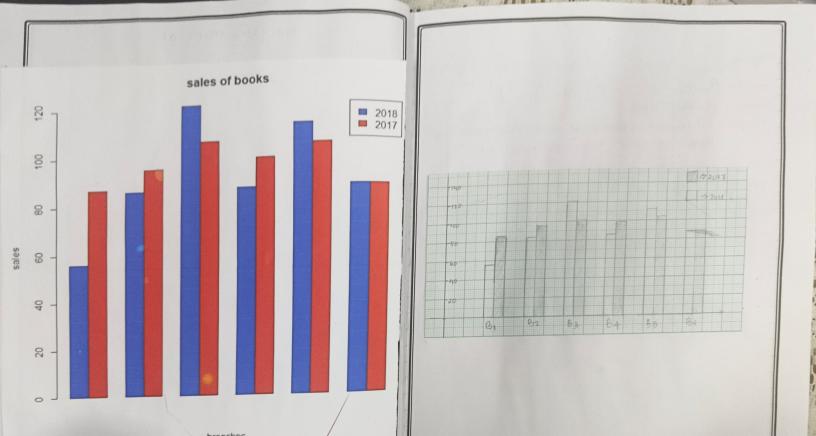
legend ('topignt', year, cex = 0.7, hil = c ("blu" "red"))

PRACTICAL SHEET- 01

1. Sall of books (in thousands number) from 6 branches B1, B2, B3, B1, B5, B6 of a publishing company in 2018 and 2019 are given below. Draw a multiple bal diagram for the same.

Take branches as & axis

Bran cher	BI	Ba	Вз	B4	Bs	B6.
aois	5.6	86	121	187	113	88
2014	87	95	106	99	105	88



Program

Years &c ("1991", "1992", "1993", "1994", "1995")

detalls to ("import", "export")

t-materi (c(1930, 8850, 9780) 117 au, 12160, 4260, 5225, 6125,

7340,8145) byrow = TRUE, now=2, ncol=5)

tarplot (ti names org = years , 2lab - "year", "Mab = "valuer", mein = "Import and export valuer of canado", beside = TRUE, col=c ("Pink",

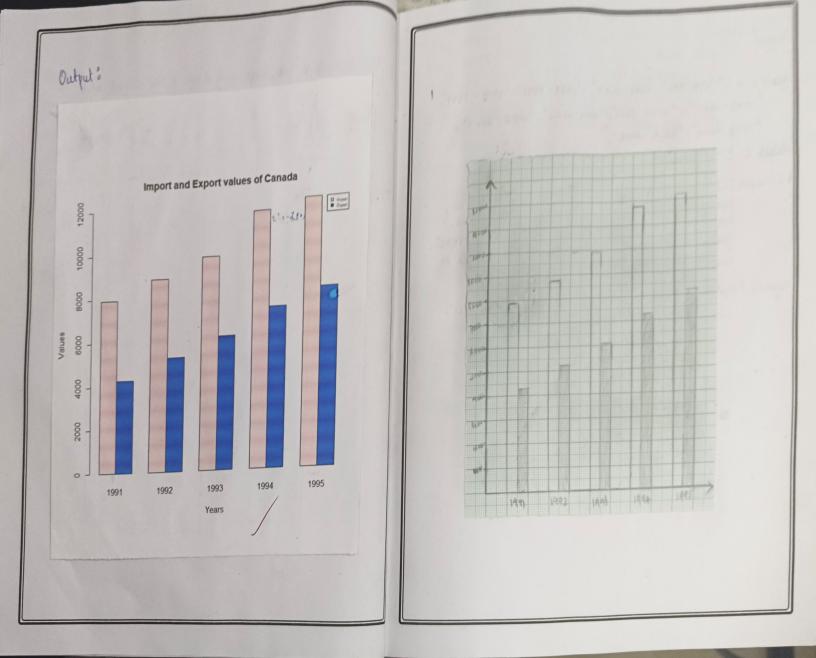
blue"))

legand ("lop ngrd", cex=0.5, legand = c (import, export"),

fill = c C"pink", "blue")

2. Traw a multiple bar chart and represent the impact and export of canada (values in dollar) for the years 1991 to 1995

years	Import	Esport
1991 1992 1993 1994	7930 8860 9780 11720 12160	4260 5225 6125 4340 8145



In gram

year 4- c ("1995- 496", "1996-1997", "1997- 1997", "1997- 1997", "4002- 2003", "2001-2002", "2002- 2003",

"2003-2004", "2004-2005")

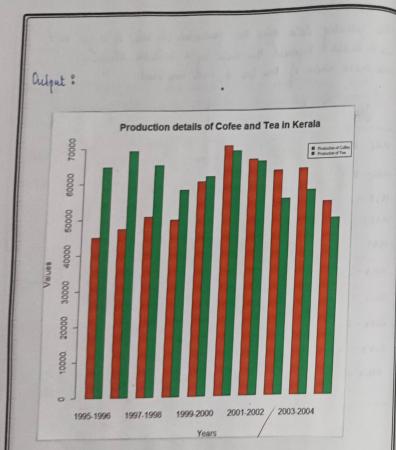
details L- ("production of wifter", "production of tea)

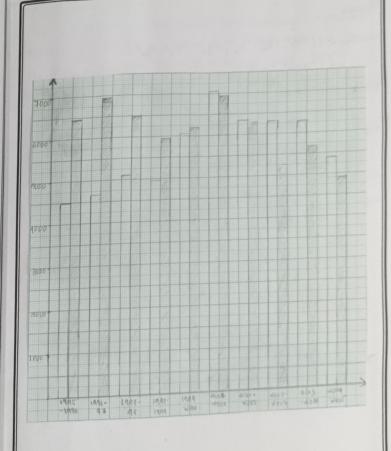
t (- balplot (c (4500, 47320, 50659, 49886, 60470, 70550, 66690), 63322, 63800, 54500, 64802, 69519, 65226, 58126, 61956, 69132, 66090, 56348, 675663, 49502), byrow = "TRUE", ylab = "valuer", main = "production of tea coffe and tea in Kuala", beside = TRUE, ol = c ("red", "green"))

legand ("topright", details, ex=0-5, legand = c ("production of coffee", production of tea"), fill - c ("topend" red", "green")

so The following data giver the production (in terms) of coffice and tea in keeple Represent the data by a suitable diagrams and sheek which of the two is made consistent

Zears	Production of wife	Production of tea
1995-1996	4500	64805
1996 - 1997	47320	69319
1997 - 1998	50659	65235
1998 - 1999	4986	58126
199 - 2000	604 70	61955
2000 - 2002	70550	69132
2001 - 2002	66690	66090
2002 - 2003	63322	55341
2003 - 2004	63820	5 7 563
2004 - 2005	54300	49503





Pranches & c ("B1", "B2", "B3", "B4", "B5", "B6")

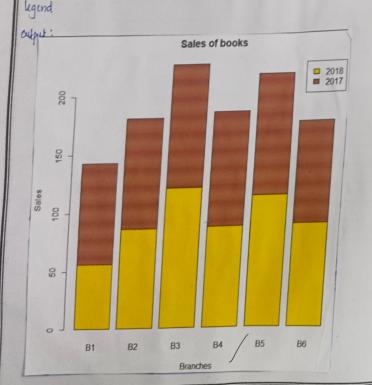
values & c ("2015", "2017")

t &- matrix (c (56,86,121,87,113,88,87,97,106,99,105,88),

byrow = TRUE, nrow=2, ncol=6)

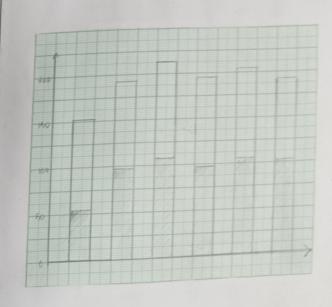
barglot (t, names arg = branches, 2lab = "Branches", ylab = "sales",

main = "Sales of books", beside = FARSE, col = c ("Yellow", "brown")



4. Salu of book (c in Moreand number) from 6 branches. 81, 80, 83.
B4. B5. B6 of a publishing congany in acre, and acre are grown blow. Draw a subdivided bas diagram for the same. Take the branches as a soci.

Branchy	BI	82	93	34	Bs	94
aolf	56	26	121	1.7	113.	72
2019	87	95	106	9.9	105	22



Program

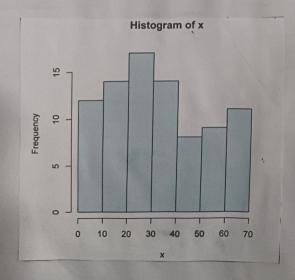
mldz & seq (from = 5, to = 65, by = 10); midse

f L- c(12,14,17,148,9,11)

nc L- rep (midx, f); x

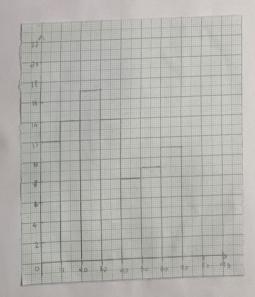
hist (x, break = seq (hom = *0, to = 70, by = 10), freq = TRUE, will slight blue", border = "black")

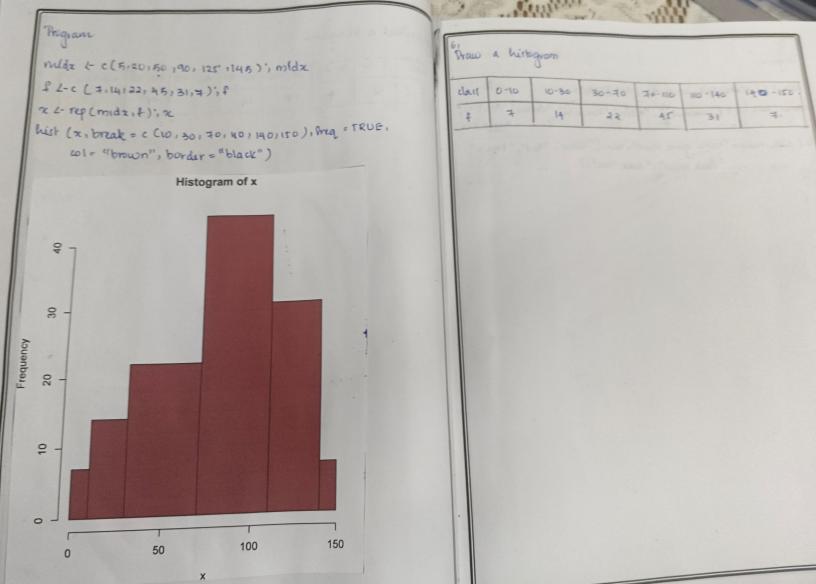
Ougut



5, lonsmut a histogram

class	0-10	10-20	20-30	30-40	40-50	50-60	60-70
f	12	12	17	14	8	9	11





Program						
data 6-c (6526, 7108, 2568, 560, 763); data	I, construct pu' diagram for the data					
names (data) 2-c ("commedy", "Achon", "Romanhi", "drama", "suff"),						
The (data, num = "movie ginne chart", col=c(" Yellow", "ked", "brown")	6526 2568 560 763					
"dack green", "dock blue"))						
	to and produce and a consequent of					

```
Program
                                                             & Draw storn and leaf chart.
  2 (-c (54, 62,61,60,54,44, 78, 53, 55, 56, 38, 55, 60, 50, 76, 54
                                                               67 ,62,61, 60,64, 44, 28, 03, 66, 56, 38, 56, 60, 50, 76, 76, 66,
        64161,48, 59, 48, 64, 30, 63, 30, 54, 56, 33, 59, 51)
                                                                64 158 148 159 1 48 1 64 1 30 163, 70 1 64 1 66 1 33 159 151
  Ston (x)
                                                             mudure
 output:
                                                                30, 33, 38, 34, 48, 48, 48, 50, 51, 53, 54, 54, 54, 55, 55,
 The decimal is I digitals) to the sight of the
                                                                 56,56,66,67,54,59,60,60,61,62,63,64,70,76 ,78
 3 03
 3 | 8
4 | 41188 5 | 013444
                                                                3 0389
                                                                 4 888
     565667899
                                                                5 013444565667899
     001234
61
                                                                   001234
71
                                                                7
                                                                    0 68
     68
71
```