



Progressive Education Society's
Modern College of Engineering, Shivajinagar, Pune-05.
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)
Department of MCA

PRACTICAL SUBMISSION RECORD- A.Y. 2025-26

Class: SYMCA Division : A Semester: III	Course Code: MCA01604 Course Name: Data Science Laboratory	Batch: S2
Name: Pranav Raju Malwatkar		Roll No: 52037
CO No: CO605.2		Assignment No: 11

Title Create Bar Chart-Stacked taking x axis as Month and Y axis as Revenue and add Legend
colors <- c("green", "orange", "brown")
months <- c("Mar", "Apr", "May", "Jun", "Jul")
regions <- c("East", "West", "North")
Code:
Define data
colors <- c("green", "orange", "brown")
months <- c("Mar", "Apr", "May", "Jun", "Jul")
regions <- c("East", "West", "North")

Create sample revenue data (you can replace with real values)
revenue_data <- matrix(
 c(12, 14, 16, 18, 20, # East
 10, 13, 15, 17, 19, # West
 8, 11, 14, 16, 18), # North
 nrow = length(regions),
 byrow = TRUE
)

Create stacked bar chart
barplot(revenue_data,
 beside = FALSE, # Stacked bars
 col = colors, # Colors for each region
 names.arg = months, # X-axis labels
 xlab = "Month",
 ylab = "Revenue",
 main = "Stacked Bar Chart: Monthly Revenue by Region",



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```
legend.text = regions,      # Add legend  
args.legend = list(x = "topright", inset = 0.05, title = "Region"))
```

```
# Optional: Add grid lines  
grid(nx = NA, ny = NULL)Output :
```

File History Resize

Stacked Bar Chart: Monthly Revenue by Region

