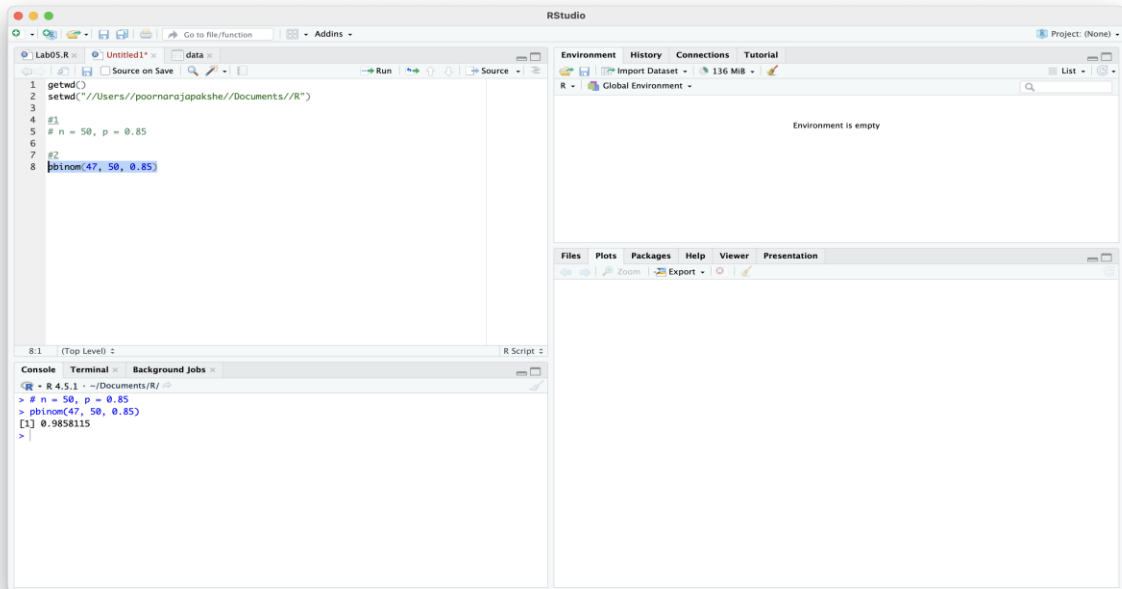


# PS Lab 06

IT24100356

01



The screenshot shows the RStudio interface. The script editor on the left contains the following code:

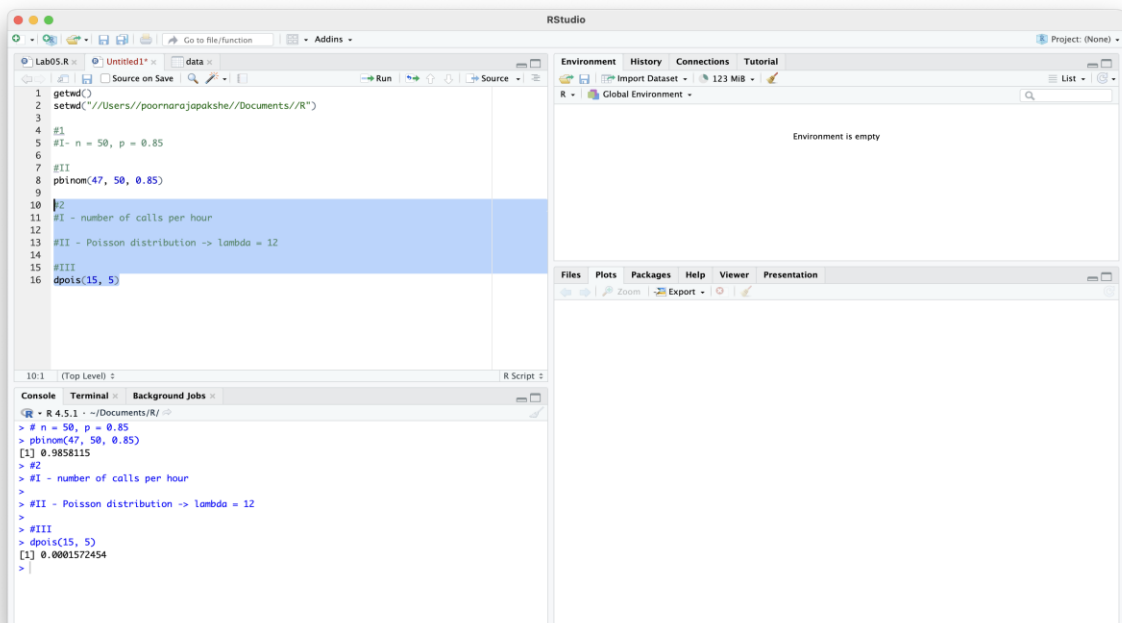
```
1 getwd()
2 setwd("~/Users/poornarajapakshi/Documents/R/")
3
4 #1
5 # n = 50, p = 0.85
6
7 #2
8 pbinom(47, 50, 0.85)
```

The console at the bottom shows the execution of the code:

```
> # n = 50, p = 0.85
> pbinom(47, 50, 0.85)
[1] 0.9858115
>
```

The Environment pane on the right shows the Global Environment with the message "Environment is empty".

02



The screenshot shows the RStudio interface. The script editor on the left contains the following code:

```
1 getwd()
2 setwd("~/Users/poornarajapakshi/Documents/R/")
3
4 #1
5 #I- n = 50, p = 0.85
6
7 #II
8 pbinom(47, 50, 0.85)
9
10 #2
11 #I - number of calls per hour
12
13 #II - Poisson distribution -> lambda = 12
14
15 #III
16 dpois(15, 5)
```

The console at the bottom shows the execution of the code:

```
> # n = 50, p = 0.85
> pbinom(47, 50, 0.85)
[1] 0.9858115
> #2
> #I - number of calls per hour
>
> #II - Poisson distribution -> lambda = 12
>
> #III
> dpois(15, 5)
[1] 0.0001572454
>
```

The Environment pane on the right shows the Global Environment with the message "Environment is empty".