

How to create a functions in R

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Objective

- This is a quick example of how to create a simple function using R.

Salary Function

```
# salary
# rent_value

hour_rate_salary <- function (x,y,z) {

  annual_salary  = x
  number_of_weeks_in_a_year = y
  hours_worked_per_week = z

  hour_rate_salary = annual_salary /
    number_of_weeks_in_a_year /
    hours_worked_per_week

  return(hour_rate_salary)

}
```

Call Salary Function

```
#Annual Salary
as = 120000
#Number of Weeks in a year
nwy = 52
# Hours worked per week
hwpw = 40

my_hour_rate_salary <- hour_rate_salary(as,
                                         nwy,
                                         hwpw)

my_hour_rate_salary

## [1] 57.69231
```

Function to calculate your salary based in your rent value

```
# salary  
# rent_value  
  
salary <- function (x) {  
  
  rent_value = x  
  
  salary = rent_value / 0.3  
  
  return(salary)  
  
}
```

Call Function to calculate your salary based in your rent value

```
x = 1500  
mysalary <- salary(x)  
  
mysalary
```

```
## [1] 5000
```

- R (<https://www.r-project.org/>)

Thank you

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