

Exercise 7 : Functions in R (Assignment)

1. Create a R function to calculate the standard deviation.
Function should take single integer vector as an argument.
Give the name of function as `StDev()`
2. Create a R function to calculate the standard deviation.
Function should take integer vector as first argument and for second argument use "FUN" and assign `sd()` function to it.
Give the name of function as `StDev1()`
3. Create a function to calculate the running average of integer vector.
Give the function name as `RunAvg()`
4. The below given code takes n number of integers as arguments and calculates the sum of it

```
HelloWorld <- function(...) {  
  arguments <- list(...)  
  result=paste(arguments)  
  sum(as.integer(result))  
}
```

5. The below given code n number of objects as arguments.

```
HelloWorld <- function(...) {  
  arguments <- c(...)  
  result=paste(arguments)  
  return(result)  
}
```

I am running code as follows

```
HelloWorld(a,b,c)
```

So it will display the contents of a,b,c objects on the console