

# tempdev\_functions.R

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Given a latitude and longitude, determines the corresponding grid ID. Assumes grid.df is a global variable. @param testlat Latitude being considered. @param testlong Longitude being considered. @return Corresponding grid ID number.

```
get_gridID <- function(testlat, testlong){  
  closelong <- which(abs(grid.df$long - testlong) == min(abs(grid.df$long - testlonf)))  
  if(length(closelong) > 1){  
    closelat <- closelong[which(abs(grid.df$lat[closelong] - testlat) == min(abs(grid.df$lat[closelong]  
  })  
  else if(length(closelong) == 0){  
    closelat <- closelong  
  }  
  return(closelat)  
}
```