

Programming Assignment 3: Quiz

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27/06/2019

1. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/best.R"))
best("SC", "heart attack")
```

```
## [1] "MUSC MEDICAL CENTER"
[] LAKE CITY COMMUNITY HOSPITAL
[] MARY BLACK MEMORIAL HOSPITAL
[] CAROLINAS HOSPITAL SYSTEM
[x] MUSC MEDICAL CENTER
[] GRAND STRAND REG MED CENTER
[] MCLEOD MEDICAL CENTER - DARLINGTON
```

2. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/best.R"))
best("NY", "pneumonia")
```

```
## [1] "MAIMONIDES MEDICAL CENTER"
[] BROOKS MEMORIAL HOSPITAL
[] KINGSBROOK JEWISH MEDICAL CENTER
[x] MAIMONIDES MEDICAL CENTER
[] HOSPITAL FOR SPECIAL SURGERY
[] CROUSE HOSPITAL
[] NORTHERN DUTCHESS HOSPITAL
```

3. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/best.R"))
best("AK", "pneumonia")
```

```
## [1] "YUKON KUSKOKWIM DELTA REG HOSPITAL"
[] MT EDGE CUMBE HOSPITAL
[] CORDOVA COMMUNITY MEDICAL CENTER
[] ALASKA NATIVE MEDICAL CENTER
[x] YUKON KUSKOKWIM DELTA REG HOSPITAL
[] CENTRAL PENINSULA GENERAL HOSPITAL
[] PROVIDENCE ALASKA MEDICAL CENTER
```

4. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/rankhospital.R"))
rankhospital("NC", "heart attack", "worst")
```

```
## [1] "WAYNE MEMORIAL HOSPITAL"
[] CAROLINAS MEDICAL CENTER-NORTHEAST
[x] WAYNE MEMORIAL HOSPITAL
[] THOMASVILLE MEDICAL CENTER
[] CATAWBA VALLEY MEDICAL CENTER
[] SPRUCE PINE COMMUNITY HOSPITAL
[] WAKEMED, CARY HOSPITAL
```

5. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/rankhospital.R"))
rankhospital("WA", "heart attack", 7)
```

```
## [1] "YAKIMA VALLEY MEMORIAL HOSPITAL"
[] JEFFERSON HEALTHCARE HOSPITAL
[x] YAKIMA VALLEY MEMORIAL HOSPITAL
[] TACOMA GENERAL ALLENMORE HOSPITAL
[] KENNEWICK GENERAL HOSPITAL
[] KADLEC REGIONAL MEDICAL CENTER
[] ST ANTHONY HOSPITAL
```

6. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/rankhospital.R"))
rankhospital("TX", "pneumonia", 10)
```

```
## [1] "SETON SMITHVILLE REGIONAL HOSPITAL"
[] UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT TYLER
[] SCENIC MOUNTAIN MEDICAL CENTER
[] PROVIDENCE MEMORIAL HOSPITAL
[x] SETON SMITHVILLE REGIONAL HOSPITAL
[] MEMORIAL HERMANN NORTHEAST
[] WEST HOUSTON MEDICAL CENTER
```

7. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/rankhospital.R"))
rankhospital("NY", "heart attack", 7)
```

```
## [1] "BELLEVUE HOSPITAL CENTER"
```

```
[ ] FOREST HILLS HOSPITAL
[ ] FLUSHING HOSPITAL MEDICAL CENTER
[ ] ADIRONDACK MEDICAL CENTER
[ ] NASSAU UNIVERSITY MEDICAL CENTER
[ x ] BELLEVUE HOSPITAL CENTER
[ ] UNIVERSITY HOSPITAL S U N Y HEALTH SCIENCE CENTER
```

8. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/rankall.R"))
r <- rankall("heart attack", 4)
as.character(subset(r, state == "HI")$hospital)
```

```
## [1] "CASTLE MEDICAL CENTER"
[ ] CLARK REGIONAL MEDICAL CENTER
[ x ] CASTLE MEDICAL CENTER
[ ] SANFORD USD MEDICAL CENTER
[ ] NORTH COUNTRY HOSPITAL AND HEALTH CENTER
[ ] ST FRANCIS MEDICAL CENTER
[ ] PARKLAND HEALTH AND HOSPITAL SYSTEM
```

9. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/rankall.R"))
r <- rankall("pneumonia", "worst")
as.character(subset(r, state == "NJ")$hospital)
```

```
## [1] "BERGEN REGIONAL MEDICAL CENTER"
[ ] TERREBONNE GENERAL MEDICAL CENTER
[ ] LAURENS COUNTY HEALTHCARE SYSTEM
[ ] LAKES REGION GENERAL HOSPITAL
[ x ] BERGEN REGIONAL MEDICAL CENTER
[ ] BAY AREA HOSPITAL
[ ] POTTSTOWN MEMORIAL MEDICAL CENTER
```

10. What result is returned by the following code?

```
source(paste0(root, "/rprogramming/programming_assignments/rankall.R"))
r <- rankall("heart failure", 10)
as.character(subset(r, state == "NV")$hospital)
```

```
## [1] "RENOWN SOUTH MEADOWS MEDICAL CENTER"
[ ] YORK GENERAL HOSPITAL
[ x ] RENOWN SOUTH MEADOWS MEDICAL CENTER
```

- ☐ NA
- ☐ CARONDELET ST JOSEPHS HOSPITAL
- ☐ CARY MEDICAL CENTER
- ☐ HAWAII MEDICAL CENTER EAST