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Final Design

1. State purpose of the problem: give position/side of field to the user

2. Ask the user for their name, store in name\_str

3. Ask user to choose a sport, either “Football” or “Basketball”, exactly as shown here, shown in sport\_str

4. if sport\_str == Football, ask user to input a number from 0-10, store under position1, in a float

5. convert position1 to a float

a. If position1 == 0

output name\_str,“is on special teams”

ask user to input either kicker or punter, store in stp\_str

i. if stp\_str == kicker

output name\_str, “is a kicker”

ii. otherwise if stp\_str == punter

output name-str, “is a punter

Iii. otherwise

output “Error, try again”, name\_str

b. else if 0 < position1 and position1 <= 6

output name\_str, “is on offense”

ask user to input either quarterback, running back, wide receiver, store in off\_str

i. if off\_str == quarterback

output name2\_str, “is a quarterback”

ii. otherwise if off\_str == running back

output name\_str, “is a running back”

iii. otherwise if off\_str == wide receiver

output name\_str “is a wide receiver”

iv. otherwise

output “Error, try again”, name\_str

5. else if 6 < position1 and position1 <= 10

a. output name\_str ,“is on defense”

ask user to input either linebacker, cornerback, lineman, store in def\_str

i. if def\_str == linebacker

output name\_str, “is a linebacker”

ii. otherwise if def\_str == cornerback

output name-str, “is a cornerback”

iii. otherwise if def\_str == lineman

output name\_str “is a lineman”

iv. otherwise

output “Error, try again”, name\_str

6. otherwise

output “Error, try again”, name\_str

7. else if sport\_str == Basketball, ask user to input a choice from “center”, “point guard”, “shooting guard”, “small forward”, and “power forward” store in position2\_int, (THIS IS STORY 2, pt 1)

a. if position2\_int == center

output name\_str ,“is a center”

b. otherwise if position2\_int == pointguard

output name\_str ,“is a point guard”

c. otherwise if position2\_int == shootingguard

output name\_str ,“is a shooting guard”

d. otherwise if position2\_int == powerforward

output name\_str ,“is a power forward”

e. otherwise if position2\_int == smallforward

output name\_str ,“is a small forward”

f. otherwise

output “Error, try again”, name\_str

8. (For STORY 2 part 2), for each case other than otherwise, ask user to select a number either 1, 2 or 3, store under number2\_int

a. if number2\_int == 1

output name\_str, “is on Team USA”

b. otherwise if number2\_int == 2

output name\_str, “is on China”

c. otherwise if number2\_int == 3

output name\_str, “is on Russia”

d. otherwise if number\_2 != 1 and number\_2 != 2 and number\_2 != 3

output “Error, try again”, name\_str

9. otherwise

output “Error, pick one of the sports above”, name\_ str