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Initial 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

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

* 1. If float(position1\_int) == 0

output name\_str,“is on special teams”

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

* 1. if stp\_str == kicker

output name\_str, “is a kicker”

* 1. otherwise if stp\_str == punter

output name-str, “is a punter

* 1. otherwise

output “Error, try again”, name\_str

* 1. else if 1 >= float(position1\_int) >= 5

output name\_str, “is on offense”

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

* 1. if off\_str == quarterback

output name\_str, “is a quarterback”

* 1. otherwise if off\_str == running back

output name-str, “is a running back”

* 1. otherwise if off\_str == wide receiver

output name\_str “is a wide receiver”

* 1. otherwise

output “Error, try again”, name\_str

1. else if 6 >= float(position1\_int) >= 10
   1. output name\_str ,“is on defense”

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

1. if def\_str == linebacker

output name\_str, “is a linebacker”

1. otherwise if def\_str == cornerback

output name-str, “is a cornerback”

1. otherwise if def\_str == lineman

output name\_str “is a lineman”

1. otherwise

output “Error, try again”, name\_str

1. otherwise

output “Error, try again”, name\_str

1. 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\_str, (THIS IS STORY 2, pt 1)

* 1. if position2\_str == center

output name\_str ,“is a center”

* 1. otherwise if position2\_str == point guard

output name\_str ,“is a point guard”

* 1. otherwise if position2\_str == shooting guard

output name\_str ,“is a shooting guard”

* 1. otherwise if position2\_str == power forward

output name\_str ,“is a power forward”

* 1. otherwise if position2\_str == small forward

output name\_str ,“is a small forward”

* 1. otherwise

output “Error, try again”, name\_str

1. (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

* 1. if number2\_int == 1

output name\_str, “Is on Team USA”

* 1. otherwise if number2\_int  == 2

output name\_str, “Is on China”

* 1. otherwise if number2\_int == 3

output name\_str, “Is on Russia”

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

output “Error, try again”, name\_str

1. otherwise

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