Jeffrey VanMeter

IT-145

SET type equal to getPetType()

SET name equal to getPetName()

SET age equal to getPetAge()

SET stay equal to getDaysStay()

IF type is equal to dog THEN

SET weight equal to getDogWeight()

SET spaceNumber equal to getDogSpaceNumber()

SET groom to getGrooming()

IF groom is equal to TRUE and stay is greater than or equal to 2 THEN

IF weight is greater than or equal to 30 THEN

CALCULATE total equal to 29.95 + (34 \* stay)

setDogSpaceNumber() to null

ELIF weight is greater than or equal to 20 and weight is less than 30 THEN

CALCULATE total equal to 24.95 + (29 \* stay)

setDogSpaceNumber() to null

ELSE

CALCULATE total equal to 19.95 + (24 \* stay) setDogSpaceNumber() to null

ELIF groom is equal to FALSE

IF weight is greater than or equal to 30 THEN

CALCULATE total equal to 34 \* stay

setDogSpaceNumber() to null

ELIF weight is greater than or equal to 20 and weight is less than 30 THEN

CALCULATE total equal to 29 \* stay

setDogSpaceNumber() to null

ELSE

CALCULATE total equal to 24 \* stay

setDogSpaceNumber() to null

ELSE

SET spaceNumber equal to getCatSpaceNumber()

CALCULATE total equal to 18 \* stay

setCatSpaceNumber() equal to null

A

YES

YES

NO

YES

NO

IS 20 ≥ weight < 30

NO

CALCULATE total equal to 29.95 + (34 \* stay)

setDogSpaceNumber() to null

YES

NO

IS groom TRUE & stay ≥ 2

SET spaceNumber equal to getCatSpaceNumber()

CALCULATE total equal to 18 \* stay

setCatSpaceNumber() equal to null

SET weight equal to getDogWeight()

SET spaceNumber equal to setDogSpaceNumber()

SET groom to getGrooming()

IS it a dog?

SET type equal to getPetType()

SET name equal to getPetName()

SET age equal to getPetAge()

SET stay equal to getDaysStay()

Start

IS weight ≥ 30

C

B

CALCULATE total equal to 19.95 +

(24 \* stay) setDogSpaceNumber() to null

CALCULATE total equal to 24.95 + (29 \* stay)

setDogSpaceNumber() to null

NO

YES

NO

YES

END

B

A

CALCULATE total equal to (24 \* stay) setDogSpaceNumber() to null

CALCULATE total equal to (29 \* stay)

setDogSpaceNumber() to null

CALCULATE total equal to (34 \* stay)

setDogSpaceNumber() to null

IS 20 ≥ weight < 30

IS weight ≥ 30

C