**DATA** mylib.AmesHousing;

LENGTH

Order **8**

PID $ **10**

MS\_SubClass $ **3**

MS\_Zoning $ **7**

Lot\_Frontage **8**

Lot\_Area **8**

Street $ **4**

Alley $ **4**

Lot\_Shape $ **3**

Land\_Contour $ **3**

Utilities $ **6**

Lot\_Config $ **7**

Land\_Slope $ **3**

Neighborhood $ **7**

Condition\_1 $ **6**

Condition\_2 $ **6**

Bldg\_Type $ **6**

House\_Style $ **6**

Overall\_Qual **8**

Overall\_Cond **8**

Year\_Built **8**

Year\_Remod\_Add **8**

Roof\_Style $ **7**

Roof\_Matl $ **7**

Exterior\_1st $ **7**

Exterior\_2nd $ **7**

Mas\_Vnr\_Type $ **7**

Mas\_Vnr\_Area **8**

Exter\_Qual $ **2**

Exter\_Cond $ **2**

Foundation $ **6**

Bsmt\_Qual $ **2**

Bsmt\_Cond $ **2**

Bsmt\_Exposure $ **2**

BsmtFin\_Type\_1 $ **3**

BsmtFin\_SF\_1 **8**

BsmtFin\_Type\_2 $ **3**

BsmtFin\_SF\_2 **8**

Bsmt\_Unf\_SF **8**

Total\_Bsmt\_SF **8**

Heating $ **5**

Heating\_QC $ **2**

Central\_Air $ **1**

Electrical $ **5**

\_1st\_Flr\_SF **8**

\_2nd\_Flr\_SF **8**

Low\_Qual\_Fin\_SF **8**

Gr\_Liv\_Area **8**

Bsmt\_Full\_Bath **8**

Bsmt\_Half\_Bath **8**

Full\_Bath **8**

Half\_Bath **8**

Bedroom\_AbvGr **8**

Kitchen\_AbvGr **8**

Kitchen\_Qual $ **2**

TotRms\_AbvGrd **8**

Functional $ **4**

Fireplaces **8**

Fireplace\_Qu $ **2**

Garage\_Type $ **7**

Garage\_Yr\_Blt **8**

Garage\_Finish $ **3**

Garage\_Cars **8**

Garage\_Area **8**

Garage\_Qual $ **2**

Garage\_Cond $ **2**

Paved\_Drive $ **1**

Wood\_Deck\_SF **8**

Open\_Porch\_SF **8**

Enclosed\_Porch **8**

\_3Ssn\_Porch **8**

Screen\_Porch **8**

Pool\_Area **8**

Pool\_QC $ **2**

Fence $ **5**

Misc\_Feature $ **4**

Misc\_Val **8**

Mo\_Sold **8**

Yr\_Sold **8**

Sale\_Type $ **5**

Sale\_Condition $ **7**

SalePrice **8**

Basement\_Area **8**

Full\_Bathroom **8**

Half\_Bathroom **8**

Total\_Bathroom **8**

Deck\_Porch\_Area **8**

Age\_Sold **8**

Season\_Sold **8**

Garage\_Type\_2 $ **8**

Foundation\_2 $ **16**

Masonry\_Veneer $ **1**

Lot\_Shape\_2 $ **10**

House\_Style2 $ **6**

Overall\_Qual2 **8**

Overall\_Cond2 **8**

Log\_Price **8**

Bonus **8**

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LABEL

MS\_SubClass = "Type of dwelling involved in the sale"

MS\_Zoning = "General zoning classification of the sale"

Lot\_Frontage = "Linear feet of street connected to property"

Lot\_Area = "Lot size in square feet"

Street = "Type of road access to property"

Alley = "Type of alley access to property"

Lot\_Shape = "General shape of property"

Land\_Contour = "Flatness of the property"

Utilities = "Type of utilities available"

Lot\_Config = "Lot configuration"

Land\_Slope = "Slope of property"

Neighborhood = "Physical location within Ames city limits"

Condition\_1 = "Proximity to various conditions 1"

Condition\_2 = "Proximity to various conditions 2"

Bldg\_Type = "Type of dwelling"

House\_Style = "Style of dwelling"

Overall\_Qual = "Overall material and finish of the house"

Overall\_Cond = "Overall condition of the house"

Year\_Built = "Original construction year"

Year\_Remod\_Add = "Remodel year (same as construction date if no remodeling or additions)"

Roof\_Style = "Type of roof"

Roof\_Matl = "Roof material"

Exterior\_1st = "Exterior covering on house 1"

Exterior\_2nd = "Exterior covering on house 2"

Mas\_Vnr\_Type = "Masonry veneer type"

Mas\_Vnr\_Area = "Masonry veneer area in square feet"

Exter\_Qual = "Quality of the material on the exterior"

Exter\_Cond = "Present condition of the material on the exterior"

Foundation = "Type of foundation"

Bsmt\_Qual = "Rating of height of the basement"

Bsmt\_Cond = "General condition of the basement"

Bsmt\_Exposure = "Rating of basement exposure"

BsmtFin\_Type\_1 = "Rating of basement finished area type 1"

BsmtFin\_SF\_1 = "Type 1 finished square feet"

BsmtFin\_Type\_2 = "Rating of basement finished area type 2"

BsmtFin\_SF\_2 = "Type 2 finished square feet"

Bsmt\_Unf\_SF = "Unfinished square feet of basement area"

Total\_Bsmt\_SF = "Total square feet of basement area"

Heating = "Type of heating"

Heating\_QC = "Heating quality and condition"

Central\_Air = "Presence of central air conditioning"

Electrical = "Electrical system"

\_1st\_Flr\_SF = "First floor square feet"

\_2nd\_Flr\_SF = "Second floor square feet"

Low\_Qual\_Fin\_SF = "Low quality finished square feet (all floors)"

Gr\_Liv\_Area = "Above grade (ground) living area square feet"

Bsmt\_Full\_Bath = "Basement full bathrooms"

Bsmt\_Half\_Bath = "Basement half bathrooms"

Full\_Bath = "Full bathrooms above grade"

Half\_Bath = "Half bathrooms above grade"

Bedroom\_AbvGr = "Bedrooms above grade"

Kitchen\_AbvGr = "Kitchens above grade"

Kitchen\_Qual = "Kitchen quality"

TotRms\_AbvGrd = "Total rooms above grade"

Functional = "Home functionality"

Fireplaces = "Number of fireplaces"

Fireplace\_Qu = "Fireplace quality"

Garage\_Type = "Garage location"

Garage\_Yr\_Blt = "Year garage was built"

Garage\_Finish = "Interior finish of the garage"

Garage\_Cars = "Size of garage in car capacity"

Garage\_Area = "Size of garage in square feet"

Garage\_Qual = "Garage quality"

Garage\_Cond = "Garage condition"

Paved\_Drive = "Paved driveway"

Wood\_Deck\_SF = "Wood deck area in square feet"

Open\_Porch\_SF = "Open porch area in square feet"

Enclosed\_Porch = "Enclosed porch area in square feet"

\_3Ssn\_Porch = "Three season porch area in square feet"

Screen\_Porch = "Screened porch area in square feet"

Pool\_Area = "Pool area in square feet"

Pool\_QC = "Pool quality"

Fence = "Fence quality"

Misc\_Feature = "Miscellaneous feature not covered in other categories"

Misc\_Val = "Dollar Value of miscellaneous feature"

Mo\_Sold = "Month Sold (MM)"

Yr\_Sold = "Year Sold (YYYY)"

Sale\_Type = "Type of sale"

Sale\_Condition = "Condition of sale"

SalePrice = "Sale price in dollars"

Basement\_Area = "Basement area in square feet"

Full\_Bathroom = "Number of full bathrooms"

Half\_Bathroom = "Number of half bathrooms"

Total\_Bathroom = "Total number of bathrooms (half bathrooms counted 10%)"

Deck\_Porch\_Area = "Total area of decks and porches in square feet"

Age\_Sold = "Age of house when sold, in years"

Season\_Sold = "Season when house sold"

Garage\_Type\_2 = "Garage attached or detached"

Foundation\_2 = "Foundation Type"

Masonry\_Veneer = "Masonry veneer or not"

Lot\_Shape\_2 = "Regular or irregular lot shape"

House\_Style2 = "Style of dwelling"

Overall\_Qual2 = "Overall material and finish of the house"

Overall\_Cond2 = "Overall condition of the house"

Log\_Price = "Natural log of the sale price"

Bonus = "Sale Price > $175,000"

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FORMAT

Order BEST12.

PID $CHAR10.

MS\_SubClass $CHAR3.

MS\_Zoning $CHAR7.

Lot\_Frontage BEST12.

Lot\_Area BEST12.

Street $CHAR4.

Alley $CHAR4.

Lot\_Shape $CHAR3.

Land\_Contour $CHAR3.

Utilities $CHAR6.

Lot\_Config $CHAR7.

Land\_Slope $CHAR3.

Neighborhood $CHAR7.

Condition\_1 $CHAR6.

Condition\_2 $CHAR6.

Bldg\_Type $CHAR6.

House\_Style $CHAR6.

Overall\_Qual BEST12.

Overall\_Cond BEST12.

Year\_Built BEST12.

Year\_Remod\_Add BEST12.

Roof\_Style $CHAR7.

Roof\_Matl $CHAR7.

Exterior\_1st $CHAR7.

Exterior\_2nd $CHAR7.

Mas\_Vnr\_Type $CHAR7.

Mas\_Vnr\_Area BEST12.

Exter\_Qual $CHAR2.

Exter\_Cond $CHAR2.

Foundation $CHAR6.

Bsmt\_Qual $CHAR2.

Bsmt\_Cond $CHAR2.

Bsmt\_Exposure $CHAR2.

BsmtFin\_Type\_1 $CHAR3.

BsmtFin\_SF\_1 BEST12.

BsmtFin\_Type\_2 $CHAR3.

BsmtFin\_SF\_2 BEST12.

Bsmt\_Unf\_SF BEST12.

Total\_Bsmt\_SF BEST12.

Heating $CHAR5.

Heating\_QC $CHAR2.

Central\_Air $CHAR1.

Electrical $CHAR5.

\_1st\_Flr\_SF BEST12.

\_2nd\_Flr\_SF BEST12.

Low\_Qual\_Fin\_SF BEST12.

Gr\_Liv\_Area BEST12.

Bsmt\_Full\_Bath BEST12.

Bsmt\_Half\_Bath BEST12.

Full\_Bath BEST12.

Half\_Bath BEST12.

Bedroom\_AbvGr BEST12.

Kitchen\_AbvGr BEST12.

Kitchen\_Qual $CHAR2.

TotRms\_AbvGrd BEST12.

Functional $CHAR4.

Fireplaces BEST12.

Fireplace\_Qu $CHAR2.

Garage\_Type $CHAR7.

Garage\_Yr\_Blt BEST12.

Garage\_Finish $CHAR3.

Garage\_Cars BEST12.

Garage\_Area BEST12.

Garage\_Qual $CHAR2.

Garage\_Cond $CHAR2.

Paved\_Drive $CHAR1.

Wood\_Deck\_SF BEST12.

Open\_Porch\_SF BEST12.

Enclosed\_Porch BEST12.

\_3Ssn\_Porch BEST12.

Screen\_Porch BEST12.

Pool\_Area BEST12.

Pool\_QC $CHAR2.

Fence $CHAR5.

Misc\_Feature $CHAR4.

Misc\_Val BEST12.

Mo\_Sold BEST12.

Yr\_Sold BEST12.

Sale\_Type $CHAR5.

Sale\_Condition $CHAR7.

SalePrice BEST12.

Basement\_Area BEST12.

Full\_Bathroom BEST12.

Half\_Bathroom BEST12.

Total\_Bathroom BEST12.

Deck\_Porch\_Area BEST12.

Log\_Price BEST12.

Age\_Sold BEST12.

Season\_Sold BEST12.

Garage\_Type\_2 $CHAR8.

Foundation\_2 $CHAR16.

Masonry\_Veneer $CHAR1.

Lot\_Shape\_2 $CHAR10.

House\_Style2 $CHAR6.

Overall\_Qual2 BEST12.

Overall\_Cond2 BEST12.

Log\_Price BEST12.

Bonus BEST12.

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INFORMAT

Order BEST12.

PID $CHAR10.

MS\_SubClass $CHAR3.

MS\_Zoning $CHAR7.

Lot\_Frontage BEST12.

Lot\_Area BEST12.

Street $CHAR4.

Alley $CHAR4.

Lot\_Shape $CHAR3.

Land\_Contour $CHAR3.

Utilities $CHAR6.

Lot\_Config $CHAR7.

Land\_Slope $CHAR3.

Neighborhood $CHAR7.

Condition\_1 $CHAR6.

Condition\_2 $CHAR6.

Bldg\_Type $CHAR6.

House\_Style $CHAR6.

Overall\_Qual BEST12.

Overall\_Cond BEST12.

Year\_Built BEST12.

Year\_Remod\_Add BEST12.

Roof\_Style $CHAR7.

Roof\_Matl $CHAR7.

Exterior\_1st $CHAR7.

Exterior\_2nd $CHAR7.

Mas\_Vnr\_Type $CHAR7.

Mas\_Vnr\_Area BEST12.

Exter\_Qual $CHAR2.

Exter\_Cond $CHAR2.

Foundation $CHAR6.

Bsmt\_Qual $CHAR2.

Bsmt\_Cond $CHAR2.

Bsmt\_Exposure $CHAR2.

BsmtFin\_Type\_1 $CHAR3.

BsmtFin\_SF\_1 BEST12.

BsmtFin\_Type\_2 $CHAR3.

BsmtFin\_SF\_2 BEST12.

Bsmt\_Unf\_SF BEST12.

Total\_Bsmt\_SF BEST12.

Heating $CHAR5.

Heating\_QC $CHAR2.

Central\_Air $CHAR1.

Electrical $CHAR5.

\_1st\_Flr\_SF BEST12.

\_2nd\_Flr\_SF BEST12.

Low\_Qual\_Fin\_SF BEST12.

Gr\_Liv\_Area BEST12.

Bsmt\_Full\_Bath BEST12.

Bsmt\_Half\_Bath BEST12.

Full\_Bath BEST12.

Half\_Bath BEST12.

Bedroom\_AbvGr BEST12.

Kitchen\_AbvGr BEST12.

Kitchen\_Qual $CHAR2.

TotRms\_AbvGrd BEST12.

Functional $CHAR4.

Fireplaces BEST12.

Fireplace\_Qu $CHAR2.

Garage\_Type $CHAR7.

Garage\_Yr\_Blt BEST12.

Garage\_Finish $CHAR3.

Garage\_Cars BEST12.

Garage\_Area BEST12.

Garage\_Qual $CHAR2.

Garage\_Cond $CHAR2.

Paved\_Drive $CHAR1.

Wood\_Deck\_SF BEST12.

Open\_Porch\_SF BEST12.

Enclosed\_Porch BEST12.

\_3Ssn\_Porch BEST12.

Screen\_Porch BEST12.

Pool\_Area BEST12.

Pool\_QC $CHAR2.

Fence $CHAR5.

Misc\_Feature $CHAR4.

Misc\_Val BEST12.

Mo\_Sold BEST12.

Yr\_Sold BEST12.

Sale\_Type $CHAR5.

Sale\_Condition $CHAR7.

SalePrice BEST12.

Basement\_Area BEST12.

Full\_Bathroom BEST12.

Half\_Bathroom BEST12.

Total\_Bathroom BEST12.

Deck\_Porch\_Area BEST12.

Log\_Price BEST12.

Age\_Sold BEST12.

Season\_Sold BEST12.

Garage\_Type\_2 $CHAR8.

Foundation\_2 $CHAR16.

Masonry\_Veneer $CHAR1.

Lot\_Shape\_2 $CHAR10.

House\_Style2 $CHAR6.

Overall\_Qual2 BEST12.

Overall\_Cond2 BEST12.

Log\_Price BEST12.

Bonus BEST12.

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