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1. An appropriate data type for the attribute Customer phone key inside the Customer table would be a char type. Phone key should be a char type because the user might want to enter dashes and parenthesis which the user can not do if the phone key is a numeric data type. The phone key could also be a var char type though while the difference between the char type and the var char type is minute. The company could want the phone key to be read faster which is done with the char type, though if the company wants to save processing speed, they can use the char type. The customer zip attribute inside the customer table should be an int data type with a limit of 5 characters. This attribute should be an int type since we don’t want the user to enter nonnumeric characters since we only want to see the zip code which is currently five numbers long.
2. An appropriate data type for the attribute product unit size should be a variable char data type since while the user will enter a number into this portion, they will also enter a small amount of text. This text would not be allowed if this attribute was an int or double data type since the user would not be able to enter nonnumeric without causing any errors. This small amount of text is important since it designates what the unit will be such as liters, cups, inch etc. The product unit price inside the product table should be a double data type since this will allow the user to enter decimals places of a number. These decimals will represent cents, these cents if enter into a integer data type would cause the data type to rounded up or rounded to the nearest whole number. This rounding up or down will cause havoc in the business because it might cause the business to lose money if the product round downs.