1. **sex**: This column represents the gender of the individuals (female- male).
2. **age**: This column represents the age of the individuals in the dataset. Age is a crucial factor in assessing the risk of coronary heart disease.
3. **education**: This column represents the level of education of the individuals. It could be coded using categorical values indicating different levels of education attainment.
4. **smokingStatus**: This column likely represents the smoking status of the individuals, indicating whether they are smokers(yes), non-smokers(no).
5. **cigsPerDay**: If an individual is a smoker, this column represents the number of cigarettes smoked per day.
6. **BPMeds**: This column indicates whether the individual is taking blood pressure medications (binary: 0 for not taking, 1 for taking).
7. **prevalentStroke**: This column indicates whether an individual has had a stroke prior to the study (binary: 0 for no, 1 for yes).
8. **prevalentHyp**: This column indicates whether an individual has hypertension (binary: 0 for no, 1 for yes).
9. **diabetes**: This column indicates whether an individual has diabetes (binary: 0 for no, 1 for yes).
10. **totChol**: This column represents the total cholesterol level of the individuals.
11. **sysBP**: This column represents the systolic blood pressure of the individuals.
12. **diaBP**: This column represents the diastolic blood pressure of the individuals.
13. **BMI**: This column represents the Body Mass Index (BMI) of the individuals, which is a measure of body fat based on height and weight.
14. **heartRate**: This column represents the resting heart rate of the individuals.
15. **glucose**: This column represents the fasting blood glucose level of the individuals.
16. **CHDRisk**: This column likely represents the Ten-Year Coronary Heart Disease (CHD) Risk for each individual, which is the target variable that you may want to predict or analyze.
17. Data Cleaning
18. Number of Records
19. Create an age range

1. \*\*Demographic Analysis\*\*: - What is the average age of males and females in the dataset? - What is the distribution of education levels across different age groups?

2. \*\*Health Risk Analysis\*\*: - How does the smoking status correlate with the risk of CHD (Coronary Heart Disease)? - What is the average BMI of individuals with diabetes compared to those without diabetes?

3. \*\*Chronic Condition Analysis\*\*: