**Reflective Journal**

1. In the very first program, I learn how to use print and input function. After running the program it is showing the user to input his name, year of birth and current age. I have learned about print and input function.
2. In the second, sleep calculator program- I have learned how to calculate sleep hours in a year is on an average a person is sleeping 7 hours. When user will run the program, it will ask for birth year and the program will show current age. If user enters any other value- it will show value error.
3. In third program, I have learned how to check if one variable is greater than another. I have taken two variable here- a and b. and using if else condition verified if the condition is true or not.
4. In the fourth program which was Chinese zodiac program, and will print the animal name according to the year. Here I learn new logic about how to use if and elif statement for all other animals’ name. and use the logic (zodiac year – 2000) % 12
5. Another program is for earthquake magnitude in which the range is given for different magnitude levels and it will show if the earthquake level is minor, moderate and strong (depending on the range), the range is float value and here also I learn about if elif statement.
6. In the last program, it is for checking sound level, here also if elif statement is used and the level value is given between 70 to 130. Different devices are assigned to the value. For jackhammer- range is >=130, for lawnmower range is between – 106-130, for alarm clock the range is between 70-106, and of quiet place it is between 40-70. I have used if and elif statement to execute different conditions.