**1. Scenario:** A system checks if a user is eligible to vote based on their age.

* Ask user enter the age
* Eligible 18 or older check
* if yes print “Eligible to vote”
* otherwise print “not eligible to vote”

**2.Scenario:** A program processes a list of numbers and needs to find the largest value.

* Read the list of numbers.
* then fine the largest number in the list.
* use Python’s built-in max() function.
* then print largest

**3.Scenario:** A company provides employees with a 10% bonus if their salary exceeds $50,000.

* If the condition is true (salary is above $50,000), a bonus of 10% of the salary is calculated.
* If the condition is false (salary is not above $50,000), then the total\_salary remains the same as the base salary.

**4.Scenario:** A program evaluates a number to determine if it is even or odd.

* Read the input Enter the value then
* if condition use (num%2==0)
* print even number
* else print odd nmber

**5. Scenario:** A text-processing tool reverses a given word or sentence for formatting purposes.

* To read the ext word
* Then use reverse to string function [::-1]
* then print txt

**6. Scenario:** A grading system determines whether a student has passed or failed based on their score

* If statement checks if student\_score is greater than or equal to passing\_score.
* If the condition is true
* Prints "The student passed
* If the condition is false
* prints "The student failed.

**7. Scenario:** A retail store offers a 20% discount if a customer’s total order exceeds $100.

* Enter the total order
* then using if-else statement
* total order exceeds $100
* 100 above using 20% discount apply
* Then print the final price is amount

**8.Scenario:** A banking system processes withdrawal requests and ensures the user has enough balance

* To write the enter the withdrawn amount.
* if the windrow amount is greater in the balance
* then use else statement
* print “you withdrawn: “amount
* Then else print Insufficient balance

**9. Scenario:** A calendar system verifies whether a given year is a leap year based on standard leap year rules.

* Enter the leap year
* then use if statement
* check the year is divisible by 4
* print leap year
* else print not a leap year

**10. Scenario:** A program filters out only even numbers from a given list

* To read the number of list.
* then use for loop if number%2==0
* print even numbers