

1. Prompt for amount, interest rate and no. of years and calculate simple interest.
2. is palindrome string
3. Area of circle

Files for the above three exercises are available in the repository.

4. Copy information of one object to another and log it to console.

There are two ways to copy a object -

- 1) shallow copy : only top level properties are copied without any reference, nested objects are copied as reference.
- 2) deep copy : nested objects are also copied.

The file **q4-copy.html** has two functions **shallowCopyDemo()** and **deepCopyDemo()** which illustrate shallow and deepcopy respectively.

Proof that the copies are indeed shallow and deep:

In shallow copy, any changes to nested object in sourceObj are reflected in destinationObj whereas in deep copy they aren't.

5. create a list of objects of Employee with info as follow : Name, age, salary ,DOB

- 5.1) filter all employees with salary greater than 5000
q5-filter.html

- 5.2) group employee on the basis of their age
Not done

- 5.3) fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.
q5-filter-map.html