**TypeScript Day-2**

**HW Assignment**

1. perform Calculator operations using arrow function
2. Create object of student and display name, roll number using arrow function
3. Find out multiples of 5 between 1 to 500 using while loop
4. Find the count of odd values between 0 to 325 using for loop
5. Create classes dog and cat which implement sound method interface animal
6. Create classes Salesmanager, product manager which implements interface manager to define method calculate Salary (salary cal sal=basicsal+hra+da where hra=12% of basicsal,da=8% of basicsal) on total salary deduct 200INR for professional tax.PT tax deduct if Basic Salary is greater than 10000

Only Salesmanager gets 1000INR as petrol allowance & product manager gets 500 medical allowance

1. Create classes rectangle, square, triangle to define area as method declared in shape interface
2. Using Classes - car, luxury cars, rolls Royce demonstrate multilevel inheritance
3. Override method display() of base class -BankAccount in derived classes-SavingAccount & LoanAccount; where dispaly() of base class shows account holder's name, address and mobile no. and its overridden method in LoanAccount class shows loan amount. also, display() of SavingAccount class shows savings balance. hint: use super in derived class display() method
4. Write a Employee class which has method print details on console. Print ID, Name, Salary
5. Create a array of Object of Employee having key is first name, last name, Basic salary, calculate salary. For calculate salary you have to pass 3 parameters hra,ta ,basic sal for that to create another object has name saldistrubution has key is hra, ta & then Display the Employee information.
6. Create industry json object has key status, data & error check if status is success then parse the data & display it, in data key should be minimum has 5 object. Second if error is there then don't parse the data
7. Create a number array and find out cube of each element using map function
8. Create 2 array is number type array. Using switch case +,-,/,\* check if + operator is there then perform addition of each element & store in new array & display the result.
9. Find out Greatest number of 3 number use if else statements .Make a class and method Implement logic in method (take hard coded data time being)
10. Find out given number is prime number Make a class and method Implement logic in method (take hard coded data time being)